



National
College of
Ireland

National College of Ireland

PROJECT SHOWCASE

School of Computing

Final Year Student Profiles

2016

BSc (Hons) in Computing: Software Systems

Page 2 - 3

BSc (Hons) in Computing: Cloud

Page 4 - 6

BSc (Hons) in Computing: Gaming and Multimedia

Page 7 - 9

BSc (Hons) in Business Information Systems

Page 10 - 11

BSc in Technology Management

Page 12 - 14

BSc (Hons) in Computing – Networks & Mobile Technologies

Page 14 - 22



KTI

Knowledge Transfer Ireland
Where Research & Business Connect

Welcome message to employers from NCI Career Development & Employability

Within NCI's Career Development & Employability Service we have a strong bank of recruitment knowledge and experience. From seasoned graduate recruiters to talented guidance professionals we work with employers to develop effective, tailored solutions to help you reach our student body.

As a College we have a consistently strong employment record for our graduates and have won the national AHECS Award for Excellence in Employability in 2013, 2014 & 2016.

Bright, enthusiastic, motivated and grounded - our students have a lot to offer and we are delighted to welcome you on campus to meet with them. Partnering with the NCI Career Service is a great way to amplify your recruitment efforts and build your brand within NCI.

Career fairs, college-based speed networking events, mock interviews, insight sessions, guest lectures, mentoring programs and employer information sessions link employers to students — while giving students direct access to internships, part-time and summer jobs, and full-time employment.

We value our partnership with you and to learn more about how NCI Careers Service can assist you in recruiting high calibre students and graduates please contact:

Caroline Kennedy, Careers Officer
caroline.kennedy@ncirl.ie 01 4498526

Siobhan Mockler, Work Placement Supervisor.
Siobhan.mockler@ncirl.ie ; 01 4498558





Alexander Owens

Project Title: Android AI Companion App

LinkedIn: <https://ie.linkedin.com/in/alexanderowens93>

AI Companion is an Android Application which interacts with users using Artificial Intelligence that processes their interests and activities to MySQL Database. Performing different API calls, it provides users with useful information assisting them with tasks.

Technologies used: Android SDK, Android Studio, Java, XML, PHP, MySQL, SubLime 2, Google API, SourceTree and Git.



Zsolt Földes

Project Title: EVMGMT – Providing event management solutions

LinkedIn: <https://ie.linkedin.com/in/zsoltfoldes>

EVMGMT is an event management web application which permits attendees to register and pay for events using secure PayPal. Applicants will receive a confirmatory email. The application facilitates the management of multiple events occurring simultaneously in one venue.

Technologies Used: ASP.NET, C#, SQL database, Visual Studio 2015 IDE, Microsoft Azure, APIs (Google maps, Google Calendar, PayPal and Facebook).



John Rogers

Project Title: Outlier Visualization in N-Dimensional Categorical Data Sets

LinkedIn: <https://www.linkedin.com/in/john-rogers-7391129>

This project seeks to provide a visualization of big corporate data (i.e. Server Logs) as a means of quick outlier detection for investigative purposes such as outages or security breaches.

Technologies Used: R, Tableau, Shiny, Amazon EC2, IBM Watson



Olurotimi Oluokun

Project Title: Payd

LinkedIn: <https://ie.linkedin.com/in/rotimioluokun>

An android application that implements the PayPal API, the Clover POS system, the PassPrint API and QR technologies to provide users with a secure way to make or receive e-commerce and m-commerce payments.

Technologies Used: PAYPAL API, Clover POS, PassPrint API, Zxing QR library, Android Studio, RStudio



Laura Payne

Project Title: StayInAlive - Lifestyle Behaviour and Health Alert, IOT and Phone Process

LinkedIn: <https://ie.linkedin.com/in/laurapayne2>

This wearable technology created using open source technology which connects to an android app serves as an Alert Warning System to a mobile phone. The system measures vital responses on the sensor wristband and if these approach a danger zone the system will alert a designated phone.

Technologies used: Android Studio 1.2.2, API Integration, Java, XML, Database MySQL, Angel Sensor Integration (IOT Wristband).



Sam Gormley

Project Title: Yellow Umbrella Tours

LinkedIn: <https://ie.linkedin.com/in/samgormley>

Project Description: Android app for tourists and tour guides, with built in rating and feedback systems. Unique features include live chat with the active tour guide, geofencing notifications for landmarks, statistics reporting allowing for analysis of data on the success of the tours.

Technologies Used: Android, Java, MySQL Workbench, Google Maps API, PayPal MPL, intercom.io, Geofencing.



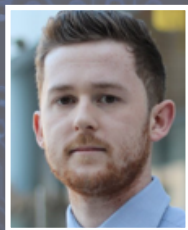
Ross Reid

Project Title: HouseMyDog Mobile Application – A Mobile Pet Boarding Service

LinkedIn: <https://ie.linkedin.com/in/rossreid>

The HouseMyDog Hybrid Mobile Application offers a platform for Dog Owners and pet service providers to connect by utilizing Geolocation and Customer Attributes. The Application GUI is tailored to user's profiles and helps you to find the best match for your Dog and You!

Technologies Used: AngularJS, Ionic.io, Back&, Segment.io HTML5, SCSS, NoSQL



Liam Barkley

Project Title: Foodie – Making the Most of Your Meal

LinkedIn: <https://ie.linkedin.com/in/liambarkley>

Foodie is a social media based web application that returns a unique variety of recipes generated from the ingredients inputted by the user. Key features include an image timeline of recipes made by the users and a geo-location feature that outputs nearby eateries to the user.

Technologies Used: PHP, SQL, Laravel 5, HTML 5, JavaScript, Bootstrap, Google Maps API, Yelp API, Cloud9



Alan Rice

Project Title: GroomK9.com

LinkedIn: <https://ie.linkedin.com/in/alanriceire>

GitHub: <https://www.github.com/spunog>

GroomK9.com an online management system for Dog Groomers which helps manage the day to day running of their business

Provided as a SaaS offering that presents a RESTful API backend using Ruby On Rails. The primary client uses AngularJS and the Google Material Design Framework which is served as a web app and deployed on iOS and Android via Cordova.

Technologies Used: Ruby On Rails, AngularJS, HTML5, CSS3, PostgreSQL, RESTful API, Google Material Design Framework, Google Maps API, Cloudinary API, Facebook API, HTTParty, NodeJS ,GulpJS, FullCalendar, ChartJS, Yeoman, SASS, GIT



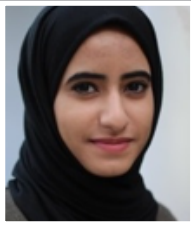
Ciaran Browne

Project Title: Music-lounge – Everything Music in one place

LinkedIn: <https://ie.linkedin.com/in/ciaranbrowne94>

A music community based web application which allows users to create a profile to discuss anything music related, discover new findings, be made aware of upcoming events and shows in their area, and link-in with other users of similar tastes and interests.

Technologies Used: HTML, PHP, MYSQL, Bootstrap/CSS, JavaScript, JSON, JQuery, AJAX, AngularJS, PHP Storm and multiple external API's



Hanaa Albahri

Project Title: TellToDoc - Monitoring Wearable Sensor Device in Healthcare

LinkedIn: <https://www.linkedin.com/in/HanaaAlbahri>

TelltoDoc is an application that allows the patient to use a wearable sensor device to monitor and analysis sensor's data on the system and allows the doctor to get accurate patient's data.

Technologies Used: Ruby on Rails, Google Map APIs, PostgreSQL, HTML5, CSS3, Bootstrap, cloud9, Heroku, GitHub



David O'Brien

Project Title: Continuous Integration using Docker containers.

LinkedIn: <https://ie.linkedin.com/in/davidobrien212>

An example of how to increase efficiency and save money by improving the productivity of individual virtual machines. Using container software it is possible to isolate multiple builds on a single machine and therefore greatly increasing the range of software being tested.

Technologies Used: Docker, Gradle, Groovy, Red Hat Enterprise Linux, Amazon EC2, Jenkins Continuous Integration Software, Git Version Control.

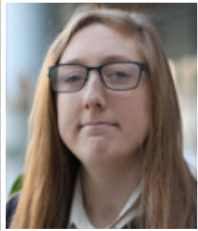


Damien Fenton

Project Title: Tripency – Efficient tailor-made travel itineraries

Tripency is a travel website that uses Euclidean distance to dynamically match travellers' interests to city attractions, thereby creating the perfect tailor-made itinerary. Users can view their itinerary while on holiday using the website's mobile app.

Technologies Used: Java, Spring, Hibernate, MySQL, angularjs, HTML5, CSS, JUnit, SQLite. IDEs: Eclipse, Android Studio



Kellie Hughes

Project Title: Shifts - The Rostering System

LinkedIn: <https://ie.linkedin.com/in/kelliemjhughes>

A cloud based web system developed using AngularJS that will boost secure communication between employer and employee. Shifts is a web based application to view rosters, swap shifts and chat to members of staff easily online.

Technologies Used: HTML5, CSS, PHP, JavaScript, AngularJS, Heroku, Backend and Git.



Vo Thi Thuy Linh

Project Title: Anonymous Automated Response System

Anonymous Automated Response System is an educational application which automatically suggests possible answers to queries, immediately after users anonymously post problems or questions. Tutors can also respond by posting answer(s) or giving advice.

Technologies Used: Ruby on Rails, PostgreSQL, HTML5, Foundation, CSS3, Heroku, Google APIs.



Adam Callaghan

Project Title: Appload

LinkedIn: <https://ie.linkedin.com/in/adamjccallaghan>

Project Description// Appload is a mobile application which identifies and tracks both the application in use by an individual and their geographical location. This data can be uploaded to cloud at user request.

Technologies Used: JavaScript, PHP, MySQL, Bootstrap, Android Studio, Apache Hosting Server, Cloud9.io, Google Map API.



Wayne Flanagan

Project Title: Cloud StrApp – An Application Streaming System

LinkedIn: <https://ie.linkedin.com/in/flanaganwayne>

Cloud StrApp is a software delivery system designed to utilise latest cloud technologies to enable on-demand application streaming. It improves the user experience versus current VDI solutions (e.g. Citrix) and provides cost savings by way of reduced personal hardware costs.

Technologies Used: AWS, Node.js, Express.js, JavaScript, HTML5, Bootstrap, CSS3, jQuery



Conor Curran

Project Title: Notes – digital record keeping and proactive intervention and communications tool for students, teachers, parents and the school.

LinkedIn: <https://ie.linkedin.com/in/conorcurran>

The Notes tool is a multi-faceted, cloud based web and mobile service for teachers, students and parents. It is intended to measure sentiment among students and give access to this data visually via interactive dashboards for each user and automate communications.

Technologies Used: Ruby on Rails, Twilio, JavaScript, jQuery, JSON, Bluemix, ClearDB (MySQL), HTML 5, CSS 3, Highcharts, Sublime Text 3



David Brady

Project Title: MicroDG – Distributed Data Retrieval & Generation through Microservices

LinkedIn: <https://ie.linkedin.com/in/davidbrady3>

MicroDG is a distributed suite of Microservices for the rapid processing and merging of data from multiple sources in a logical manner. The resulting composite data-object is then written to an AWS S3 Bucket for downloading. (Use Case: Sales/Marketing data generation)

Technologies Used: Scala, Akka, Spray, Java, AngularJS, HTML5, CSS3, Bootstrap, Fusion Charts, SBT, ScalaTest, Protractor, Docker, AWS S3



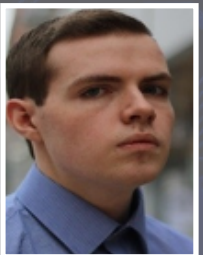
Keith Holt

Project Title: Student Job Hub

LinkedIn: <https://ie.linkedin.com/in/keithholt>

StudentJobHub is a cloud based job portal for students seeking internships and graduate placements. The portal permits students to update portfolio and offers an all-in-one job management system for companies, colleges and students.

Technologies Used: CakePHP 3.0, MVC, SQL, HTML5, CSS3 JavaScript, Linux – Centos 6.3, CloudStack (IaaS), Apache, Web Hosting Server



Thomas Boyle

Project Title: CSGOFuze

LinkedIn: <https://ie.linkedin.com/in/thomasboyle>

Project Description: CSGOFuze is built upon Steam the largest online PC gaming platform. The project platform allows Steam game players to trade game items between their virtual Steam accounts and also use the items within the platform for raffling.

Technologies Used: Java, spring, C#, Play Framework (Scala), AWS, NoSQL, IntelliJ IDE, JavaScript



Michael Kilfeather

Project Title: Equilibrium – A Unity3D game

LinkedIn: <https://www.linkedin.com/in/michaelkilfeather>

Powered by Unity and coded in C#, Equilibrium is an immersive third-person RPG stealth shooter, set in a dystopian cyberpunk-themed universe. You play a vigilante on a mission to takedown the nefarious Metacorp, using the various weapons and abilities you have at your disposal.

Technologies Used: Unity 5, C#, RAIN AI, Dialogue System for Unity, Microsoft



Kyle Mc Galey

Project Title: Abyss – Unreal Engine 4 Action/Adventure game

LinkedIn: <https://ie.linkedin.com/in/kylemcgaley>

Abyss showcase next generation game design taking old ideas and elevating them to a new graphical level. Abyss was developed on Unreal Engine 4 using Blueprints visual coding allowing immersive gameplay. High quality characters were created using Mixamo and Adobe Fuse.

Technologies used: Unreal Engine 4, Blueprints, Mixamo, Adobe Fuse/Fireworks, Audacity.



Conor Clarkson

Project Title: Sample Space

LinkedIn: <https://ie.linkedin.com/in/conorclarkson>

Sample Space is a 2D platforming video game that dynamically generates music in response to the players movement, affecting the musical makeup and level geometry of the stage.

Technologies Used: Unity 3D, C#, Microsoft Visual Studio, Audacity, Cubase



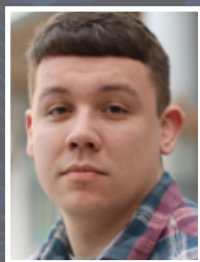
Justin Quigley

Project Title: Stereo Racers

LinkedIn: <https://ie.linkedin.com/in/justinquigleyprofile>

Stereo Racers is a racing game where the player races against AI or human opponents through unpredictable unique levels that are influenced by changing environments known as “Levolution”.

Technologies Used: Unity 5, Monodevelop, C#, Blender, GIMP 2.0



Jamie Mulvaney

Project Title: Twin Darkness - Built both for the present and future of the gaming industry

LinkedIn: <https://ie.linkedin.com/in/jamiemulvaney93>

Twin Darkness, uses Unreal Engine 4 to deliver outstanding graphics and performance. Built from the ground to use Oculus Rift so the player will be fully immersed in this shadowy episodic thriller.

Technologies Used: Unreal Engine 4, Blender 3D Modelling Software, Mixamo animation tools, Photoshop CS6, Oculus Rift (Virtual reality) Software and Hardware.



Stephen Chapman

Project Title: Drift City – An Unreal Engine 4 Game

LinkedIn: <https://ie.linkedin.com/in/stephenchapman1>

Drift City is a car racing game created through Unreal Engine 4. It utilises the Blueprints feature to generate movement of the cars. The game options include traditional races, time trials and a fun zone.

Technologies Used: Unreal Engine 4, Photoshop



Kelly McGuinness

Project Title: There's No Place like Home - FPS style game

LinkedIn Profile: <https://ie.linkedin.com/in/mcguinnesskelly>

Destroy waves of intelligent enemy AI that use pathfinding algorithms to hunt. Destroy them and take on the boss which is powered by the RAIN AI engine which uses behaviour trees and waypoints to create patrol and detect AI along with realistic behaviour and senses.

Technologies Used: Unity, Unity Asset Store, MonoDevelop, C#, JavaScript, RAIN AI Engine



Eoghan Whelan

Project Title: Whacky Wheels

LinkedIn: <https://ie.linkedin.com/in/ejwhelan>

Whacky Wheels is a fun, cartoon arcade racing game, in which the user races against the clock or AI racers to further their progress and unlock more cars and tracks.

Technologies used: Unity, C#, Blender



**Ricardo O'Hara
Camones**

Project Title: Blood Moon - A Unity 5 Game

LinkedIn: <https://ie.linkedin.com/in/roharacamones>

A 2D cinematic platformer, with light RPG elements set in a pixel gothic world inspired by Lovecraftian horror. Created using Unity 5, Photoshop and Aseprite. In this desolate realm, the player needs to level-up to face new and more advanced enemies and challenges.

Technologies Used: Unity 5, C#, MonoDevelop, Photoshop CC, Aseprite



Josephine Andrews

Project Title: Final Frontier – Unreal Engine 4 Children's Educational Game

LinkedIn: <https://ie.linkedin.com/in/josephineandrews>

Final Frontier is a children's educational game about Space using the power of Unreal Engine 4 to make an immersive environment of our Solar System, children play and learn through interactive features in the game.

Technologies: Unreal Engine 4, 3DS Max, Mixamo Fuse.



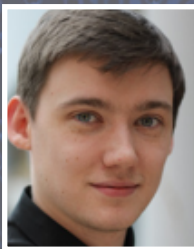
Glen Ward

Project Title: New Age of the Dead – Unreal Engine 4 Survival Horror Game

LinkedIn: <https://ie.linkedin.com/in/glenward>

An immersive survival horror game which uses two versions of intelligent AI for pathfinding and attacking. Incorporated for single and multiplayer modes using Steam so players can join their friend's servers to play.

Technologies: Unreal Engine 4, Maya, Blender, SQL, Mixamo Fuse, Steam



Graham Robinson

Project Title: Captain Ecks - Isometric Adventure Game

LinkedIn: <https://ie.linkedin.com/in/graham9robinson>

Project Description// Captain Ecks is an action adventure game created using unreal engine that adapts to the player's choice of difficulty level, determining spawn rates and health percentages. Includes artificial intelligence in the form of enemies that actively pursue and attack the player.

Technologies Used: Unreal Engine 4, Adobe Fuse, Blender, Adobe Photoshop



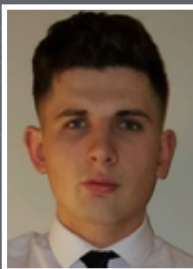
Bruno Aguiar

Project Title: eGiftCard

LinkedIn: <https://ie.linkedin.com/in/bruno-aguiar-jorge-4b255849>

eGiftCard is a unique iPhone Application which allows the user to purchase gift card online via PayPal and send it instantly via e-mail to recipient.

Technologies Used: iOS 9, Swift programming language, Xcode, PayPal API, CocoaPod, parse.com.



Cathal Condon

Project Title: Pharmanagement – A Pharmacy Application

LinkedIn: <https://ie.linkedin.com/in/cathal-condon-b6a001aa>

Pharmanagement enables customers to order their prescription online for collection in their local pharmacy. It also provides information about products which customers might be newly prescribed to by their doctor.

Technologies Used: PHP, SQL, Cloud9, Notepad++, JavaScript, Bootstrap, HTML, CSS, Google Maps API



Keith Russell

Project Title: YourDiabetes

LinkedIn: <https://ie.linkedin.com/in/keithprussell>

No longer the need to use separate applications for glucose tracking, fitness and food diaries, YourDiabetes Android App allows you to manage your condition easily and securely in one place.

Technologies Used: Microsoft Visual Studio, C#, SQL, Mashup Technologies and 256 bit Key Encryption



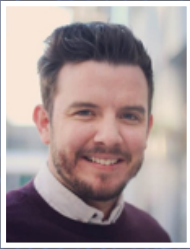
Omar A Ahmad

Project Title: MAL- Inventory Management System

LinkedIn: <https://ie.linkedin.com/in/omarahmad1>

A computer base inventory management system for controlling, managing and tracking inventory level, orders, sales and deliveries. The system is using central database that holds all the data related to sale and buy items for sharing information between different departments

Technologies used: NetBeans IDE, MySQL



David Ryan

Project Title: InstructorBooker

LinkedIn: <https://ie.linkedin.com/in/david-ryan-b9b7528a>

InstructorBooker is a web application which provides an outlet in which learner drivers can book a driving instructor in their area. The web application also incorporates a review feature, quiz and general knowledge section. The aim is to make it quick and easy for learners to book a preferred instructor.

Technologies Used: HTML5, CSS3, JQuery, JavaScript, PHP, SQL, JSON, XML, HTTP, Eclipse IDE, Apache Hosting Server, Google Maps, PayPal, Realex Payments.



Noel Kelly

Project Title: Fixed Assets Register for SMEs

A user-friendly accounting software application (fixed assets register) for small and medium sized enterprises which will improve the way data is organised, managed and updated and will present information to users in a clear and dynamic way.

Technologies Used: Java (Eclipse IDE); MySQL (XAMMP); Apache Host Server.



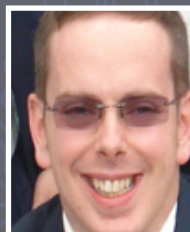
Sharon O'Doherty

Project Title: We Do Weddings - Interactive Wedding Planning Website

LinkedIn: <https://ie.linkedin.com/in/sharon-o-doherty-6456b74a>

Provides information and services that helps plan and book a wedding with interactive to-do lists and real-time supplier calendars to show availability on your desired date.

Technologies Used: Visual Studio, ASP.NET, HTML, CSS, C#



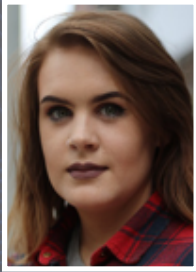
Colm Burke

Project Title: NCI application - a mobile application to make information retrieval for students a bit easier

LinkedIn: <https://ie.linkedin.com/in/colmburke>

The NCI application is built to try and make the student's life a little bit easier by finding out important information directly through the mobile phone. It enables them to have access items such as calendars, timetables and also SU information.

Technologies Used: HTML5, Ionic creator, visual studio and ionic I/O mobile platform development suite Google Maps integration.



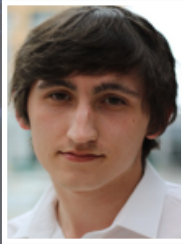
Lauren Campbell

Project Title: Where Mah Dupes At

LinkedIn: <https://ie.linkedin.com/in/lauren-campbell-11900b10a>

An online resource for duplicates of high-end makeup products for a lower price, advertising home grown brands as well as cruelty free products and an interactive blog.

Technologies Used: Wordpress.org for the online prototype of the website, google forms for the survey, word and excel for the project and results



Darren Glennon

Project Title: Seaview golf club website - IEEE requirements specification document

LinkedIn: <https://ie.linkedin.com/in/darrenglennon>

Developed an IEEE requirements specification document for Seaview golf club. Conducted a needs analysis and through a variety of elicitation techniques constructed a detailed website specification for the client.

Technologies Used: WordPress, Wamp Server, phpMyAdmin, Google Forms, HTML, CSS, PHP, SQL, Microsoft Office, Adobe Photoshop, YouTube, Dropbox.



Michael Fox

Project Title: Establishing user requirements for a proposed website for St Malachys Football Club

LinkedIn: <https://www.linkedin.com/in/michaelfox11>

Using requirements analysis techniques such as interviews, surveys and focus groups to research and outline features for a website which will include ecommerce, social media plug-ins, news, galleries and online tutorials.

Technologies Used: Microsoft office, PayPal, WordPress, Survey Monkey, adobe Photoshop, social media, YouTube editor.



Seán Warren

Project Title: Requirements for a proposed Early Learning Initiative (ELI) Website

LinkedIn: <https://ie.linkedin.com/in/seanwarren2>

This project is focused on gathering relevant information using various requirement techniques which will be added in the final IEEE specification template for my client and their proposed website.

Technologies Used: Microsoft Office, Summons/Trap, Survey Monkey, YouTube, Dropbox, HTML5, CSS3, Adobe Photoshop, 9Cloud.



Niall Crosbie

Project Title: Requirements for a new website for Dublin Fire Brigade

LinkedIn: <https://ie.linkedin.com/in/niallcrosbie>

Created an IEEE requirements specification document, using business analysis techniques, for a proposed new website for Dublin Fire Brigade. Replacing the multiple websites that currently exist, this new website will be a one stop shop for all Dublin Fire Brigade information.

Technologies Used: Google Forms, Adobe Photoshop, WordPress, HTML, Survey Monkey, Microsoft Office, Dropbox



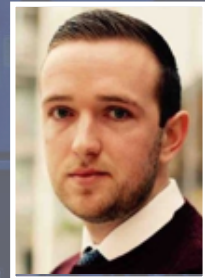
Akeem Mulero

Project Title: NCI Mobile Device Application

LinkedIn: <https://ie.linkedin.com/in/akeemmulero>

Created an IEEE requirement specification for the development of a user friendly NCI mobile application for students use. Using a variety of different elicitation techniques including Benchmarking, implementing both existing and introducing new unique functionality for users

Technology used: Laptop, Wood Press, Dropbox, Cloud9, Google Forms, Google Docs, iPhone 6, Sound Cloud, YouTube



Alan Harper

Project Title: Total Fitness and Nutrition – A requirements specification document that would outline the needs to provide an online presence for an upcoming fitness and nutrition business

LinkedIn: <https://ie.linkedin.com/in/alanharper4>

The focus of this project is to elicit and analyse the relevant information using various requirements elicitation techniques. The results will then be added to the final document as part of the IEEE template for my client and his proposed website.

Technologies Used: Microsoft Word, Microsoft PowerPoint, Microsoft Project, WordPress, Google Forms, Google Drive, Summon, YouTube, Dropbox.



Leah Weston

Project Title: GoHealth.ie – A Company Passionate about Nutrition and providing healthy, quick pre-made, balanced meals

LinkedIn: <https://ie.linkedin.com/in/leah-weston-26403559>

Developing the user requirements specification for my clients website was the main objective of this project. Using requirements elicitation techniques, I was able to extract, prioritize and implement the requirements into the website. Users are able to log in, acquire nutritional information and purchase the product.

Technologies Used: Wordpress.org, PayPal, Windows Movie Maker, Microsoft Office, Cloud 9



Paul Sweeney

Project Title: Big Data in Formula 1 – Provides Formula 1 fans with statistics based around Formula 1

LinkedIn: <https://ie.linkedin.com/in/psweeney1>

This web application provides Formula 1 information – wins by manufacturer, correlations, trends and has the capability to make performance predictions. Tableau was used for visualisation purposes, RStudio was used to read in files and display graphs and statistics. SPSS was used to support RStudio's findings on statistics.

Technologies Used: RStudio, Tableau, SPSS, Excel, Word, WordPress

BSc (Hons) in Computing – Networks & Mobile Technologies



Michele Gravina

Project Title: mtgCardWallet – Your collection in your pocket

mtgCardWallet is a multi-purpose Web and mobile Application aimed to maintain and organise your trading card collection for every Magic: The Gathering collector and tournament player alike.

Technologies Used: Ajax, Json, HTML5, CSS3, JQuery, JavaScript, Ruby on Rails, PostgreSQL, GitHub, Heroku



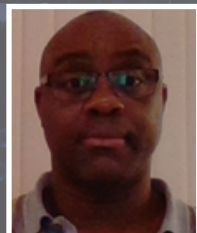
Artwell Mututsa

Project Title: Batik Designs

LinkedIn: <https://ie.linkedin.com/in/artwellmututsa>

Batik Designs is a responsive mobile web application that uses HTML5, JavaScript, PHP and MySQL database to assists batik artists uploading their favourite photographic designs. Other users of the app can rate, comment and share designs using Facebook APIs.

Technologies Used: HTML5, CSS3, JQuery, JavaScript, PHP, MySQL, Bootstrap, Apache Hosting Server, Auth0, PayPal SDK, Photoshop, illustrator Google and Facebook APIs.



Emmanuel Ntibimanya

Project Title: BillsOnTime

LinkedIn: <https://ie.linkedin.com/in/emmanuelntibimanya>

Developing a user friendly android mobile app for bill management and payment. The application facilitates notification of due payment date and easy update.

Technologies: Android studio, Java Script, PhP, MySQL, Apache



Fiachra Devitt

Project Title: TapReference – A Professional Network Application

Linkedin: <https://ie.linkedin.com/in/fiachradevitt>

Project Description// TapReference is a mobile application for professionals which facilitates uploading references by employers or colleagues to an individual's profile. References can be accepted or rejected by the individual. Prospective employers can view the reference by logging onto network and using the search function.

Technologies Used: HTML, CSS, AngularJS, Ionic Framework, Firebase

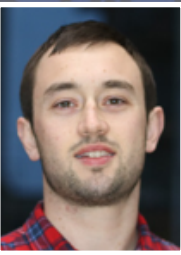


Leon Daly

Project Title: Restaurant Hangout – Convenient Hangouts

Restaurant Hangout is aimed at those who like to find restaurants adjacent to their location to meet up for friends.

Technologies Used: Eclipse, Android SDK, Facebook SDK, Google Maps, XML, Jason parser libraries, SQLite Database



Jordan Daly

Project Title: StuRevu – College course reviews by students

Linkedin: <https://ie.linkedin.com/in/jordandaly2>

StuRevu is an education review Android App for students. It is a peer recommendation application which allows graduates and current students to create reviews. The reviews can help prospective students to make more informed decisions about which college, course, modules and clubs/societies to choose.

Technologies used: Android Studio, Java, XML, Parse, JavaScript, MongoDB, Google Maps API, Facebook API, LinkedIn API



Giancarlo Luongo

Project Title: Leonardo's Chronicles – An Android Role Playing Game

Linkedin: <https://ie.linkedin.com/in/giancarlo-luongo-0897054a>

As a gamer who enjoys RPG's and as someone who enjoys creative work, I have decided for my final year project to be a hand held video game called Leonardo's Chronicles. Leonardo Chronicles is a role playing game aimed to any gamers who enjoy story fantasy games and appreciate an original story.

Technologies Used: JavaScript, JSON, Java, Android Studio, RPG Maker MV, Apache.



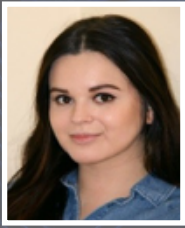
Derek Gordon

Project Title: Appoint Remind – No more missed appointments

Linkedin: <https://ie.linkedin.com/in/derekgordon1>

Appoint Remind is a windows based mobile application which facilitates reminder messages by SMS, Push notifications and E-Mail. User chooses date, time, frequency and medium of the reminder notification.

Technologies Used: Visual Studio, SQL, Microsoft Azure, C#, Model View View-model Pattern and XAML.



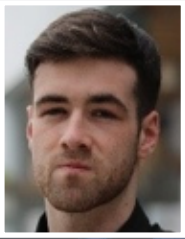
**Anastassia
Malinovskaja**

Project Title: Local Pet Minders – Mobile application for pet owners and pet lovers

LinkedIn: <https://ie.linkedin.com/in/anastassiamalin>

Local Pet Minder is a mobile application that connects pet owners who are looking for help and genuine pet loving minders on the go. Mobile application allows working professionals with pets post advertisements of their choice, pictures of their pets and connect with people who can offer help for free or for money.

Technologies Used: Android Studio, Java, XML, PHP, MySQL



Shane Noonan

Project Title: Location Football

LinkedIn: <https://ie.linkedin.com/in/noonanshane>

Location Football is an iOS application allowing users to find football clubs around their current location on a map interface. Selected clubs found provide information on official website, league table, tickets and directions.

Technologies Used: Xcode, Swift, iOS Frameworks, Parse.



Neal Chadwick

Project Title: Chadwick's Football Blog – Blog for football fans

LinkedIn: <https://ie.linkedin.com/in/nealchadwick>

Created Chadwick's Football Blog using HTML5, CSS and JQuery. Users can log on, register their interests and view and comment on articles of interest to them in the embedded forum.

Technologies used: HTML5, CSS, JQuery



Kieran Shine

Project Title: StarGaze

LinkedIn: <https://ie.linkedin.com/in/shinekieran>

StarGaze is a native android mobile application integrating multiple API's which provides amateur astronomers with time relevant information regarding weather conditions and visible astronomical objects. Users will be able to create personal profiles based on past observation history.

Technologies Used: Android Studio IDE, Java, Ruby On Rails, Ruby Mine IDE, HTML5, CSS3, JavaScript, Google Maps API, Open Weather Maps API, Astronomy



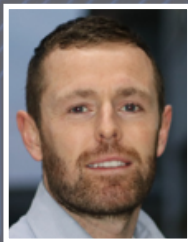
Alan Paul Hogan

Project Title: StorytellerApp

LinkedIn: <https://www.linkedin.com/in/asacristan>

StorytellerApp is a native Android application where the users can record voice stories and make them public. StorytellerApp gives everyone the opportunity to share their stories with the entire world.

Technologies Used: Android Studio, Java, XML, Json, Gson, ASP.NET, Visual Studio, C#, SQL, Fabric, Genymotion, Facebook sdk, Photoshop.



Gavin Gaughran

Project Title: Route Optimising Sidekick – The Route Optimisation Tool

LinkedIn: <https://ie.linkedin.com/in/gavingaughransoftwaredev>

The Route Optimising Sidekick is a route optimisation tool using genetic algorithms to shorten your journey. Enter multiple destinations and we will optimise this, returning the quickest route.

Technologies Used: Google Maps API, ASP.NET, HTML, JavaScript, JQuery, C#, Visual Studio



Carl Edmonds

Project Title: La Liga Weekly

LinkedIn: <https://ie.linkedin.com/in/carledmonds>

La Liga Weekly is a web and mobile based application that provides users with an in-depth knowledge of Spanish football. With this application you have the ability to search each stadium in Spain and voice your opinion on games.

Technologies Used: HTML5, CSS, JQuery, JavaScript, Google Maps, Angular, Ionic Creator, PHP, SQL, Cloud9 IDE, Apache Hosting Server



Andrzej Stozek

Project Title: Dublin Commuting – Live Routing Mobile App – live updates for your route

LinkedIn Profile: <https://ie.linkedin.com/in/andrzejstozek>

Project Description// Multi-platform mobile app which recommends best mode of transport to be taken by users to destination via bus, Luas, train and Dublin Bike. Using live API data the user is kept up to date on alternative transport options and connection times.

Technologies Used: HTML5, CSS3, JavaScript, JQuery, JQueryMobile, AJAX, JSON, XML, Google Maps API, Google Directions API, Google Places API, Real Time Passenger Information (RTPI) API, Dublin Bikes API, Irish Rail API, PhoneGap, Chrome DevTools



Laura Feely

Project Title: CrimeZone Mobile App

LinkedIn: <https://ie.linkedin.com/in/laurafeely>

Project Description// Android Application using CSO StatBank API which allows the user to search google maps for crimes by location, type and crime hotspots. Key features include social media alerts ("Local Alert") and reporting to nearest Garda Station and also Crime Trends using R Studio.

Technologies Used: Android Studio, Java, XML, SQL, PHPMyAdmin Google Maps API, CSO StatBank API, R Studio.



Antoin Judge

Project Title: MobileTimesheet- Offsite timesheet solution

LinkedIn: <https://ie.linkedin.com/in/antoin-judge-30a14961>

MobileTimesheet is a mobile application which allows an employer to monitor and record the daily working expenses of their employees while they are working off-site.

Technologies Used: Java, PHP, Google Maps API, NetBeans, Android Studio.



Corrina Wynne

Project Title: Roadie - Setlist Manager

LinkedIn: <https://ie.linkedin.com/in/corrinawynne>

Roadie is a responsive mobile site which allows musicians and entertainers to create and manage their set lists and concert details. The accompanying Android application ensures that user data is synchronised and updated while on the move.

Technologies Used: HTML, CSS, Bootstrap, JavaScript, PHP, MySQL, Android Studio



David Heraty

Project Title: FestFinder – Festivals found easy

LinkedIn: <https://ie.linkedin.com/in/davidheraty>

Project Description: FestFinder is a mobile application that provides a means of advertisement for festival administrators, driving them to grow in popularity and to give users an encyclopaedia of festivals spread worldwide.

Technologies Used: Android Studio IDE, Google Maps API, Java, PHP, SQL



Sean D'arcy

Project Title: Bucket – Inspiring Adventure

LinkedIn: <https://ie.linkedin.com/in/sean-d-arcy-70122b74>

A mobile bucket list application, with the aim of allowing users to save and share their own bucket list items, inspiring each other to live their lives to the fullest.

Technologies Used: Android Studio, phpMyAdmin, Google Maps API



Andrew Bradley

Project Title: Imperium – simplifying diabetes care

LinkedIn: <https://ie.linkedin.com/in/bradleyad>

Imperium is a reliable diabetes management tool that simplifies diabetes care by allowing people to record and monitor their blood sugar level quickly and easily, and facilitating communication between individuals and healthcare providers.

Technologies Used: C#, XAML, HTML, SQL, Microsoft Azure Mobile Services, Visual Studio



Giovanni Antipala

Project Title: Digilog – an automated training tracker and calorie tracker application

LinkedIn: <https://ie.linkedin.com/in/giovanniantipala>

Digilog is made for those interested in fitness. This application has capabilities of tracking user's food or calorie consumption, and automated tracking of the user's training plans. The main goal of this project is to save the user's time tracking their training and diet.

Technologies Used: Swift, PHP, SQL, Nutritionix Querying Language



Brian Murphy

Project Title: PetPal – Hybrid application - reuniting missing pets with their owners

LinkedIn: <https://ie.linkedin.com/in/brianmurphy92>

PetPal is a real-time hybrid application ported to an android build. Using the URL on the pet's collar, this Meteor.js application allows the person who finds a pet to instantaneously communicate with the owner, reporting the geo-location and sending real-time messages.

Technologies used: Meteor.js, MongoDB, Google Maps API, Facebook API, Apache Cordova, Ionic, Animate.css.



Cameron Ward

Project Title: Lecture Communication (LectComm) – Optimising communication during lectures

LinkedIn: <https://www.linkedin.com/in/cameronjppard>

LectComm - a web and mobile application, encourages student interaction during lectures. Students can create timestamped tickets enabling students to raise issues throughout the lecture. Lecturers can respond immediately or after class but have a clear indication of where questions arose in a class.

Technologies Used: HTML5, CSS, Ajax, Android, JavaScript, PHP, SQL, Cloud9 IDE, Java, Apache Hosting Server, IONIC.



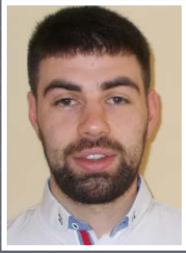
Joanna Bautista

Project Title: Eirzone – Electronic Irish Community Zones

LinkedIn: <https://ie.linkedin.com/in/joannabautista>

Eirzone is a social networking application built using Android Studio for neighbourhoods to create a crime watch community. Integrated notifications interact with the devices' native mobile and map ski for better user experience.

Technologies Used: Android Studio, Java, XML, JSON, RESTful Web Services, MySQL



Ian Feenan

Project Title: Hungry for Sport – never miss a minute again, skip the long queues

LinkedIn: <https://ie.linkedin.com/in/ianfeenan>

Hungry for Sport allows sports fans to order food from the comfort of their seats in a stadium and never miss a minute of the action at their favourite sports events.

Technologies Used: Android Studio, Java, XML, PHP, SQL, Google Maps API, PayPal SDK.



Jason Matthews

Project Title: Street Art Dublin

LinkedIn: <https://ie.linkedin.com/in/jasoncbmatthews>

A web and mobile application built for people interested in the area to share pictures and thoughts. Users can upload their pictures and using Geolocation and Google Maps the application puts the pictures location on a map.

Technologies Used: HTML, CSS, PHP, SQL, Java, Bootstrap, Google Maps API and Cloud9



Anderson Cahet

Project Title: Finding Friends

LinkedIn: <https://ie.linkedin.com/in/andersoncahet>

Finding friends is aimed to travellers that enjoy to meet locals and other travellers while in a different city and have the opportunity to see more than touristic places and locals who want to know different cultures.

Technologies Used: Swift 2.0 Parse.com, iOS, Xcode, Objective-C



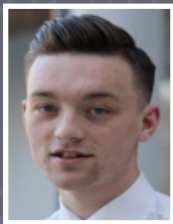
Sandra Couch

Project Title: Data Scraping into Marinas Ireland Mobile Application

LinkedIn: <https://ie.linkedin.com/in/sandracouch1>

This Android App will use Soup to extract data from various websites and will allow the user to search for different marinas and tourism related activities in Ireland. The application has a social media aspect to it to allow the user to upload photos and write reviews. The application will provide relevant marine information such as weather systems, tides, sunrises, and sunsets, and water safety.

Technologies Used: Android Studio Version 1.2.2, Java, XML, JSoup, HTML, MySQL, Google Maps Apl, Weather API.



Calvin O'Brien

Project Title: S.M.S – Social Media Shutout

LinkedIn: <https://ie.linkedin.com/in/calvinobrien>

S.M.S is a native Android application across multiple devices which restricts user's access to social media accounts. Access granted once the user has submitted their assignment to student portal (Moodle etc.).

Technologies used: Java, Android Studios, Ad-Blocker Software.



Natalie Edward

Project Title: Missing – A mobile application which aids in the search and location of missing people

LinkedIn: <https://ie.linkedin.com/in/natalieedward>

A mobile application using AngularJS for iOS and Android incorporating Google Maps and geolocation functionality triggering push notifications which allows the public to report a sighting, share on social media, or capture an image of a missing person.

Technologies Used: AngularJS, HTML5, SCSS, JSON, Ionic, Backend (BaaS),



Aaron Duffy

Project Title: OWN THE SPOT – Friendly Competition

LinkedIn: <https://ie.linkedin.com/in/duffyaaaron>

Own The Spot is a social media app for skateboarders to share their skills in specific locations. Users compete against each other to showcase their best tricks and gain the most likes, resulting in owning the spot.

Technologies Used: HTML5, CSS3, Bootstrap 3.0, JQuery, JavaScript, PHP, SQL, Google Maps API, MAMP.



Niall O'Connell

Project Title: Campus Talk- Android App

LinkedIn: <http://ie.linkedin.com/in/nialloconnell2>

This Android app uses NodeJS to allow students from a college to sign up and then message one another, create study groups and organise events through a calendar feature.

Technologies Used: Android Studios, Java, XML, PHP, SQLite, NodeJS, Pusher



Darragh Blake

Project Title: OfferApp - Localising Real-time Offers Online

LinkedIn: <https://ie.linkedin.com/in/darragh-blake-2156bb54>

OfferApp uses Geolocation and Localization to display relevant offers located near to your live location. Businesses add offers to an interactive map mash-up with Geolocation which is picked up automatically by near-by devices.

Technologies used// PHP5, Google Maps API, Geolocation, MySQL, D3.js, Bootstrap, Angular.js, Apache Server, Android WebView, Personalised API, XML Search, JSON.



Aaron Kane

Project Title: ITHub – Providing an IT Real-time community

LinkedIn: <https://ie.linkedin.com/in/aaronkane1>

ITHub is an online real-time chat community for technology enthusiasts to log on, discuss different technologies, ask questions and give opinions. Hosted on ithub.meteor.com and available on android.

Technologies Used: HTML5, CSS3, Ionic Framework, JQuery, JavaScript, Meteor, MongoDB



Stephen Reilly

Project Title: CineMaster - android application

LinkedIn: <https://ie.linkedin.com/in/stephenreilly94>

Android application allowing users to discover movies playing near them based on current location through the Google places API. Retrieving information using the various API's the app provides access to critics and user generated content in real-time.

Technologies Used: Android Studio, Java, JSON, MySQL, Rotten Tomatoes API, Google Places API.



Sean Keeley

Project Title: PhotoPrompt - A Reason to Take A Photo

LinkedIn: <https://ie.linkedin.com/in/keeleysean>

PhotoPrompt is a photo-taking mobile-first, responsive application. Trending topics change and users are prompted to upload a photo based on that topic. Built using cutting-edge real-time framework, MeteorJS, PhotoPrompt looks to give you a reason to take a picture.

Technologies Used: MeteorJS, MongoDB, SCSS SCSS, Amazon Web Services, Apache Cordova



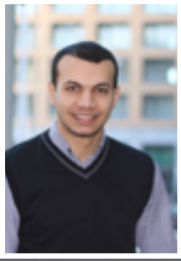
Niall Whelehan

Project Title: Allergen Advice

LinkedIn: <https://ie.linkedin.com/in/nwhelehansoftwaredeveloper>

A travelling companion for allergy sufferers. Features include: Compare and contrast the laws surrounding food labelling that differ from region to region. A service to translate common allergens using visual cards and multiple languages. A Google map activity to display restaurants that fellow users have deemed allergy safe, or not.

Technologies Used: Java, SpringMVC, Groovy, Bash, MongoDB, Android, Amazon EC2, Amazon DynamoDB, Retrofit, Gradle, Bitbucket, Git, Apache Tomcat, Charles Proxy, Linux, IntelliJ Idea, Postman, Google API's, Android Wear, Material Design, Wiremock, Cucumber, JUnit.



Mahmoud Azzam

Project Title: LocalDeal

LinkedIn: <https://ie.linkedin.com/in/mahmoud-azzam-28758360>

LocalDeal is aiming to empower local shops, buyers and communities. It enables buyers to find deals within certain area, Allows shops to target potential buyers, gain market share and cut advertisings costs. Help communities keeping their local jobs.

Technologies Used: Android, Java, MySQL, PHP, Wamp, XML, Adobe Photoshop, Adobe Illustrator, Git



National
College *of*
Ireland

National College of Ireland, Mayor Street, IFSC, Dublin 1

www.ncirl.ie

National College of Ireland, Mayor Street, IFSC, Dublin 1



KTI

Knowledge Transfer Ireland
Where Research & Business Connect