

Russell Brady

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Personal Profile

Graduate Computer Applications student from DCU having attained a first-class honors degree and graduating 2nd in the year with an overall average of 85%. Strong problem solving skills with a keen interest in software development.

languages: Proficient in Java, Python, SQL. Working knowledge of JavaScript.

Tech Stack: Android Development, Python Flask, Node.js, Express.js, MySQL, Keras Machine Learning Library, Tensorflow, Heroku/AWS Deployment, Bootstrap.

Soft Stack: Git, BitBucket, Confluence, Jira, Bamboo, Gitlab CI/CD.

Education

Dublin City University
BSc in Computer Applications

2015 - 2019

First Class Honours

3rd Year Project (Skin Condition Classification App using Deep Learning): Designed and developed a Web app and Android app to classify skin conditions using Convolutional Neural Networks as part of a 2 person team. Awarded DCU president's award for Innovation upon completion of the project. **Tech used:** Java Android development, Python Flask web development, python machine learning (Keras/Tensorflow), AWS Deployment.

4th Year Project (Augmented Reality App for Technical Graphics): Designed and developed an augmented reality learning app for technical graphics as an individual final year project. Accepted into EdTech conference to present the project and speak on the projects possible impact in technology enhanced teaching and learning. **Tech used:** Java Android development, Google ARCore/Sceneform augmented reality technology, Node.js backend, MySQL database.

Software Eng.:Process,Principles & Methods Module: Won best paper award as part of a 4 person team for paper titled 'From Monolith to Multolith: Software Systems Design Implications' out of a class of 41 teams. Currently pushing to publish the paper in an IEEE conference next March.

Data Warehousing / Data Mining Project: Implemented football match predictor as part of a two person team to predict the winner of a particular game based on historical data. Collected datasets and used Naive Bayes, Nearest Neighbour and Decision Trees classifiers to model this data and make future predictions. **Tech used:** Python.

Cnoc Mhuire Secondary School, Granard, Co. Longford

2010-2015

Leaving Certificate:

555 Points

Work Experience

Software Developer Intern at Synchronoss Technologies Ireland

Apr 2018 – Sep 2018

- Worked as an Android Developer on a small agile team of 4 people to develop the companies own white label email Android application.
- Tasked with designing and developing numerous features in the app from scratch where no UI wireframes existed. Implemented dynamic solutions so that the needs of individual customers could be tailored for.
- Tasked with increasing unit test coverage throughout the app, resulting in an increase in code coverage in the app and the reduction in technical debt in the project backlog.

- Liaised with the projects UI designers on a daily basis to ensure that the product being developed aligned with the designs that had been created.
- Took action upon finding bugs in the app by following a process of raising tickets, making the other team members aware of the bug at daily standups and then finding the problem and implementing a solution to remove the bug.

QA Analyst Intern at Synchronoss Technologies Ireland

May 2017 - Sep 2017

- Worked as part of an agile QA team in the testing of a messaging app due to be released in Japan in September 2017.
- Led usability testing of the messaging app implementing ISO 9241-11 usability metrics. Created a review, comparison and usability study on the messaging app based on these metrics which was presented to management.
- Involved in Integration and System testing stages, executing client and API related tests as well performing daily Sanity checks of the application, performing Smoke testing on any new build as they were made available as well as conducting exploratory testing of the app to find and report any bugs found.
- Acted as a point of contact between the Dublin office and the other test teams in Japan and Bangalore. Developed strong relationships with these teams and liaised with them in trying to pinpoint and solve any problems in testing. This process involved managing time-zones.
- Partook in and won an internal intern project competition as part of a four-person team to design, develop and present two internal applications to staff and management.

Awards and Achievements

- Awarded DCU President's Award for Innovation for designing and developing a skin condition classification app as part of a two person team which helps to self-diagnose skin conditions.
- Awarded best paper award for literature review titled 'From Monolith to Multilith: Software Systems Design Implications' as part of 4 person team out of 41 teams. Currently pushing to publish the paper in an IEEE conference next March.
- Recipient of DCU scholarship award for excellence in leaving cert (555 points).
- Invited to present at EdTech 2019 for designing and developing augmented reality application for teaching technical graphics and to talk on it's possible impacts in teaching through augmented reality.
- Placed second in the class in 3rd & 4th year of college out of a passlist of over 100 students showcasing high achievement and consistency throughout the year.
- Awarded student of the year award in leaving cert out of a year of approximately 90 students for high achievement and excellence in school.
- Recipient of student mentor award in leaving cert year for mentoring a small group of 1st year students and helping them settle into life at secondary school.
- Attained an A1 in Physics, A2 in Maths and an A2 in Design & Communication Graphics in leaving cert results.
- Won U16 league and cup basketball All-Ireland title with school team and Freshers title with college.
- Captained the secondary school senior gaelic football team in leaving cert.
- Partook in a Lip Sync Battle which raised over €70,000 for the local GAA club. Sold tickets, sought sponsorship and danced/lip-synced at event, individually raising €500 towards the fundraiser.

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GitHub: <https://github.com/russell-brady>