

Ebin Benny

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EDUCATION

Trinity College Dublin

Sep 2016 – Ongoing

Computer Science

- Second Year - Senior Freshman 79% – I
- First Year - Junior Freshman 84% – I

Adamstown Community College

Aug 2011 – May 2016

- Leaving Certificate – 555 points

WORK EXPERIENCE

Undergraduate Demonstrator

Sep 2018 – Ongoing

Trinity College Dublin

Worked as a demonstrator for the modules CS1E03 and CS2E03. I helped and graded 1st year and 2nd year Computer Engineering students for their labs. These modules were for teaching Computer Engineers how to program using C++ and for them to understand key programming concepts.

PROJECTS

EBeth (Ethereum DAPP) 🔗

Jan 2018 – Apr 2018

Orange Tribes, Kruisweg, Hoofddorp, the Netherlands

This project was undertaken with a group of 3 software engineers. We were charged with making a prototype decentralised betting app that works on the Ethereum blockchain. The scope of the project was to allow users to place bets on premier league games.

- My Role – **Back-End Developer**
 - Writing of Ethereum smart contracts.
 - Migration and deployment of Ethereum smart contracts to the blockchain.
 - Setting up server that gets data from a web API and update the states of smart contracts.
 - Making utility functions for the front-end team for interactions with the blockchain.

Technologies Used: Javascript (As Typescript), Node JS, web3, Solidity, Geth Client, Truffle, Oraclize, Git

UK Land Register Program 🔗

Mar 2017 – Apr 2017

Trinity College Dublin

For this group project, we were given UK Land register data. We were to visualise the data using the Processing library and query the data as we saw fit. We decided to implement various graphs and have a map that represents the queried data as the background.

- My Role – **SQL and Java Developer**
 - Making lightweight queries to filter the data from the SQL database.
 - Getting the coordinates for each property and adding them into the database.
 - Making useful utility functions for the front-end team to get data from the database.
 - Drawing a map with markers and info boxes.
 - Create an info-box for each marker with information and streetview image.

Technologies Used: Java, Processing, SQL, Postcodes.io, Google Street View API, SVN

PERSONAL PROJECTS

Ranked 🔗

Jun 2017 – Jul 2017

An app created to keep track of games for badminton leagues. It allows an administrator to enter details of matches played in the league. Players are ranked according to the results of matches and they are able to track their performance.

- My Role – **Android Developer**
 - Design and implement an intuitive UX.
 - Setting up the Google Firebase database.
 - Implement a fair ranking system.
 - Allow editing and deleting of games while maintaining integrity of rankings.

Technologies Used: Java, Android SDK, Google Firebase, XML

Childcare Finder App

Jun 2016 – Jul 2016

This was an app I created to help parents in Ireland find nearby pre-schools. The app showed the majority of pre-schools in Ireland. It gets data from an online database which was provided by the then operator of scoilscammal.com.

■ My Role – **Android Developer**

- Parse .csv file with information for each childcare centre.
- Display markers on the map for childcare centre.
- Create an infowindow for the markers to show details.

Technologies Used: Java, Android SDK, XML

PROGRAMMING SKILLS

Java

Java is a language I have covered in multiple modules in college. Over the span of four years, I have done multiple projects in Java, the highlight being the UK Land Register Project which won the best project prize.

C++

I'm adept at C++ and I work as an Undergraduate Demonstrator for CS1E03 and CS2E03 (Computer Engineering) to help 1st & 2nd year engineering students for their labs on C++.

JavaScript (TypeScript)

I gained good knowledge of JavaScript and TypeScript through the EBeth project. I worked on both a NodeJs backend and frontend server in this project.

Other Languages

I enjoy learning to use different languages and I have some experience with these following languages: Go, Rust, C, SQL, Python, Matlab, Haskell and Prolog.

OTHER SKILLS

Documentation(Latex and language specific tools), Teaching, Teamwork, Adaptability, Learning English (Native), French (B1), Malayalam (Basic), Irish (Basic)

OTHER WORK EXPERIENCE

State Examination Aide

Jun 2018

Adamstown Community College

Acted as an exam aid for students. This involved scribing for students that were unable to write themselves. It also involved reading exam papers to students who had reading difficulties.

AWARDS

■ Book Prize, Trinity College Dublin

2017 – 2018

Received for achieving an overall first in 2017 and 2018.

■ Best Project Prize CS1013, Trinity College Dublin

Jun 2017

For producing the best project in the year for the module: Programming Project

■ Student of the Year, Adamstown Community College

May 2016

Awarded at 6th year graduation for outstanding academic performance.

REFERENCES

Des Newton

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