

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

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.

PROJECTS

EBeth (Ethereum DAPP) 🌐

Jan 2018 – Apr 2018

Orange Tribes, Kruisweg, Hoofddorp, the Netherlands

This was a project that was given by an external client through Trinity College Dublin. We were charged with making a prototype betting DAPP for Premier League games that worked with the Ethereum Blockchain.

- My Role – **Back-End Developer**
 - Writing of Ethereum smart contracts to control all aspects of a betting event.
 - Migration of Ethereum smart contracts to the blockchain.
 - Alerting a smart contract when the status of a betting event changes.
 - Setting up an oracle system for the contracts to get trusted information.
 - Making utility functions for the front-end team for interactions with the blockchain.

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

UK Land Register Program 🌐

Mar 2017 – Apr 2017

Trinity College Dublin

This group project involved a large file containing UK land register records on house sales. We were to read the data, display this information in a meaningful way and allow the data to be filtered.

- My Role – **SQL and Java Developer**
 - Making efficient queries to filter the data from the SQL database.
 - Making useful utility functions for the front-end team to get data from the database.
 - Getting the coordinates for each property and adding them into the database.
 - Drawing a map with markers and info boxes.
 - Info box for each marker which involves a street view image of the property.

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

PERSONAL PROJECTS

Ranked 🌐

Jun 2017 – Jul 2017

I enjoy playing badminton and wanted a way to keep track of the games that I played. This app allows users to create or view different badminton leagues. They can add matches and the rankings of players would be updated accordingly. It also has a match log and player performance information.

- My Role – **Android Developer**
 - Making an easy to use UI that followed Google's material design.
 - Uploading league information to Google Firebase and allowing users to share their leagues.
 - Implementing a ranking system that allows for deleting and editing of matches.

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

OTHER 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.

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.

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

Teaching, Teamwork, Adaptability, Quick Learner, Documenting(latex and language specific tools)
English (Native), French (B1), Malayalam (Basic), Irish (Basic)

REFERENCES

Des Newton

Principal

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