

# Ebin Benny

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## EDUCATION

### Computer Science

Sep 2016 – Ongoing

Trinity College Dublin

- Second Year - Senior Freshman 79% – I

Algorithms & Data Structures – 88% – I	Programming Project – 76% – I
Systems Programming – 72% – I	Concurrent Systems & OS's – 78% – I
Microprocessor Systems – 82% – I	Computer Architecture 1 – 93% – I
Telecommunications 2 – 74% – I	Information Management 2 – 77% – I
French for Non Beginners 1 – 72% – I	Discrete Mathematics – 72% – I

- First Year - Junior Freshman 84% – I

Mathematics – 88% – I	Introduction to Programming – 90% – I
Programming Project – 100% – I	Introduction to Computing 1 – 90% – I
Introduction to Computing 2 – 63% – II-1	Electrotechnology – 68% – II-1
Digital Logic Design – 83% – I	Telecommunications 1 – 84% – I
Computers and Society – 64% – II-1	

### 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. The project was to be completely done in 12 weeks with weekly goals assigned by the client.

- 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.
  - Make functions for the Front-End team for interactions with the blockchain along with accompanying documentation.

Technologies Used: Geth Client, Solidity, Truffle, Node JS, Javascript (As Typescript), 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**
  - Drawing a map with markers and info boxes.
  - Info box for each marker which involves a street view image of the property.
  - Making filtering functions for the Front-End team using SQL queries.
  - Getting the coordinates for each property and adding into the SQL table.

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

**Childcare Finder Ireland Android App**

Jun 2016 – Jul 2016

*Scoil Scammill*

I was charged with making an Android App that allowed users to find nearby childcare centres in Ireland. I was given data by then then operator of scoilscammill.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 Studio, XML

**OTHER WORK  
EXPERIENCE**

**Undergraduate Demonstrator**

Sep 2018 – Ongoing

*Trinity College Dublin*

Worked as a demonstrator for the modules CS1E03 and CS2E03. I helped 1st year and 2nd year Computer Engineering students for their labs. This module was essentially for teaching Computer Engineers how to program using C++ and for them to understand 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 trouble reading.

**SKILLS**

Java – 3 Years, C – 1 Year, C++ – 1 Year, Android Dev – 1 Year, JavaScript – 1 Year, ARM Assembly – 2 Years, French B1.