

# Blaine Malone

[bmalone05@qub.ac.uk](mailto:bmalone05@qub.ac.uk) | [blainemalone.com](http://blainemalone.com) | 07921025920 | Skype: blainemalone | [github.com/blmalone](https://github.com/blmalone)

## EDUCATION

### Queen's University Belfast

Sep. 2013 – Jun. 2017

BSc Computer Science – First Class Honours

Belfast, NI

Dissertation – Evaluation of Migrating to Decentralised Applications using Blockchain Technology

### St. Paul's High School Bessbrook

Sep. 2006 – Jun. 2013

A-Levels Chemistry, Biology, ICT – A, A, A

Top result in A-Level Chemistry & outstanding academic excellence award.

Armagh, IRE

## EXPERIENCE

### Deloitte Digital | Software Engineer

Aug. 2015 – Sep. 2016

London, UK / Glasgow, UK / Belfast NI

Developer working with client National Australia Bank, developed an intelligent banking application called 'B' with Approx. 100,000 downloads. Mainly involved with micro-service development in API Gateway. Passed British Computing Society certification examinations. Investigated new use cases of blockchain technology in Deloitte Digital's 'Innovation Laboratory'. Named core developer for SmartIdentity. A working prototype owned by DDigital. <http://deloitte.co.uk/smartid/>

### QUB | Lab Demonstrator / Tutor

Sep. 2016 – Jun. 2017

Employed by Computer Science Dept.

Belfast, NI

Mentored/Tutored 1<sup>st</sup> and 2<sup>nd</sup> years Computer Science students.

Paid employment, only top achieving students are eligible to apply.

### Rakuten Blockchain Lab | Student

Sep. 2016 – Jun. 2017

In an affiliation with Queen's University, Rakuten Blockchain Lab were interested in students embarking on dissertation projects in Bitcoin and/or other cryptocurrencies.

### Elite Gaelic Footballer | County Armagh

Oct. 2013 – 2016

Since the age of 8 years old, I've been involved in the GAA. Competing at the highest level in Ireland.

## PROJECTS

GitHub: [github.com/blmalone](https://github.com/blmalone) StackOverflow: [goo.gl/RR1YGr](https://goo.gl/RR1YGr)

### Hosting a Public Web Server from Home

### Bitcoin & Cryptocurrency Technologies

Aug. 2017 – more info at [blainemalone.com/blogs](http://blainemalone.com/blogs)

Sep. 2017 – Course by Princeton University enlisted on Coursera.com. Code on GitHub.

### Cryptography – Symmetric and Asymmetric

### Personal website

Implemented RSA & S-DES algorithms in Java. Code on GitHub.

Initially hosted website from Raspberry Pi. Now hosted on Amazon Web Services. Code on GitHub.

### Multiprocessor Programming

### Academic verification service – Ethereum

Concurrent data structures of varying efficiency implemented in Java. Code on GitHub.

Fixed defects for Ethereumj code base while developing a decentralised app for verifying legitimacy of a candidates CV. Code on GitHub.

## SKILLS

## PERSONAL

### Experience

Java, JavaScript, Solidity, HTML/CSS, SQL, GoLang, Algorithms, Concurrent Programs, PROLOG, Bitcoin/Ethereum (Top 2% StackExchange - reaching ~10k people)

### Frameworks/Libraries/Other

Spring, Docker, Git, Android, MongoDB, Microservices, Gradle, MeteorJS, NodeJS, Linux.

Software Engineer with a keen interest in technology and how things work. I enjoy learning new things to help solve problems in different ways. Entrepreneurship is something that interests me. Whether this be in the form of a new product or a piece of research that evolves into something tangible. I would like to make a lasting, positive impact in society.