

Qiang Feng

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Education

Imperial College London

MEng Computing (Computer Science)
3rd Year Undergraduate

Oct 2016 - Jun 2020
Achieved **1st Class** in Year 1 and 2

Queen Mary's Grammar School

A Levels - 3A* 1A in Mathematics, Further Mathematics, Physics and Computing

Sep 2014 - Jun 2016

Experience

Visa (Software Engineering Intern)

- Worked in an agile team to build a progressive web app to promote cross-border card usage
- Responsible for creating the backend RESTful API using Node.js and Express.js, testing using Mocha and Chai
- In charge of integrating the API with an Angular frontend
- Won 1st prize in the internal hackathon at the national level for building the prototype of the web app in a team

Jun 2018 - Aug 2018

Imperial College London (Undergraduate Teaching Assistant)

- Mark and give feedback to first year students on weekly Haskell and Java programming exercises
- Responsible for preparing and running weekly tutorials

Oct 2018 - Present

Netcraft (Internet Services Developer Intern)

- Developed and improved the automated malware classification system (mainly using Perl)
- Implemented and tested dynamic throttling of malware submissions to handle periods of high load
- Adapted VMCloak to automate the generation of virtual machines used for malware analysis

Jul 2017 - Sep 2017

Awards and Achievements

Google HashCode Finalist

One of only 40 teams to be invited to the Google HashCode final round in Dublin, where we were the 2nd highest scoring out of over 400 teams based in the UK.

Apr 2018

Best Overall First Year Project at Imperial College London (Group Project)

Awarded for developing an ARM11 assembler and compiler and also a fully documented game engine in C/C++ that utilises the OpenCV library for motion controlled games using a webcam.

Jun 2017

Projects

WACC Compiler (Group Project)

Developed a compiler for the WACC programming language using Go, which was awarded a mark of 91%.

Oct 2017 - Dec 2017

Kiitos (Group Project at MLH Prime European Regional)

A website proof of concept that makes donating to charity easy and transparent using Ethereum. It uses a Solidity smart contract that allows users to donate in set proportions to multiple charities. It was built using Node.js and Meteor, and utilised the Web3 library to interact with the smart contract.

Apr 2017

Golden Hill

E-Commerce website for a Chinese takeaway allowing customers to order food and pay online. Consists of a PHP backend which uses a MySQL database to store website data, integrated with the BarclayCard EPDQ payment gateway to accept payments.

Apr 2012 - Present

Other projects are available on my [GitHub](#).

Skills and Interests

Programming Languages Experienced in Java, PHP and JavaScript and confident with C/C++, Go, Perl

Databases Proficient in using MySQL and MongoDB

Web Technologies Proficient in HTML5, Node.js and Vue.js

Tools Confident in using Linux (mainly Fedora and Ubuntu), Windows, Git and exposed to Docker, TravisCI

Sports Badminton (part of Imperial College Men's 2nd team) and Cycling (London to Paris)