

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)

- Built a progressive web application to promote cross-border card usage, by providing transparency about the associated fees
- Responsible for creating a RESTful API using Node.js and Express.js, testing using Mocha and Chai
- In charge of integrating the API with an Angular frontend
- My team won \$1000 in the internal hackathon at the national level for building the prototype for the web application

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

Sep 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 EMEA HashCode final round in Dublin.
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

Kiitos (Group Project at MLH Prime European Regional)

A website proof of concept that makes donating to charity easy and transparent using Ethereum.

- Uses a Solidity smart contract that allows users to donate in set proportions to multiple charities
- Allows the creator to set a percentage of donations to match
- Built using Node.js and Meteor, using the Web3 library to interact with the Ethereum smart contract

Apr 2017

Golden Hill

E-Commerce website for a Chinese takeaway allowing customers to order food and pay online.

- Built backend using PHP in an MVC pattern
- Utilised a MySQL database to store website data
- Implemented payments into website using BarclayCard EPDQ payment gateway
- In the process of rewriting using Node.js and Express.js for the backend API, and Vue.js for the frontend

Apr 2012 - Present

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

Sports

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