

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)

Jun 2018 - Aug 2018

- 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

Netcraft (Internet Services Developer Intern)

Jul 2017 - Sep 2017

- 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

Awards and Achievements

Google HashCode Finalist

Apr 2018

One of only 40 teams to be invited to the Google EMEA HashCode final round in Dublin.
We were the 2nd highest scoring team based in the UK.

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

Jun 2017

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.

Most Disruptive Tech at WarwickHack 2017 (Group Project)

Feb 2017

Awarded for building a decentralised and trust-less weather insurance web application using the Ethereum network. I was responsible for building the frontend using Meteor.js and also connecting it to the Ethereum network using the Web3 library.

Projects

Kiitos (Group Project at MLH Prime European Regional)

Apr 2017

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

Golden Hill

Apr 2012 - Present

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

Technical Skills

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