# Qiang Feng

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## Education

**Imperial College London**                                                                              **Oct 2016 - Jun 2020**
MEng (Hons) Computing (Computer Science)                                              Achieved **1st Class** in Year 1 and 2
3rd Year Undergraduate

**Queen Mary's Grammar School**                                                                    **Sep 2014 - Jun 2016**
A Levels - 3A* 1A in Mathematics, Further Mathematics, Physics and Computing

## 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 national level, building the initial 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
- Maintain website and troubleshoot any errors that occur

## Technical Skills

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|---|---|
| **Programming Languages** | Experienced in Java, PHP and JavaScript and confident with C/C++, Go, Perl |
| **Databases** | Experienced in using MySQL and MongoDB |
| **Web Development** | Experienced in HTML5, CSS and Node.js |
| **Tools** | Confident in using Linux (mainly Fedora and Ubuntu), Windows, Git |