

# KELVIN ZHANG

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## EDUCATION

### Imperial College London

London, UK

MEng Computing

2017 - 2021

- Second year: 77.4% (1st class); first year: 74.6% overall (1st class), 93% programming
- 98% in C group project: built an ARM11 emulator/assembler and extended it with a debugger
- Awarded Haskell prize for highest attainment in final Haskell test and best overall ARM project prize

### Whitgift School

London, UK

Secondary School

2009 - 2017

- 4 A\*s at A Level in Computer Science, Maths, Further Maths and Physics
- 10 A\*s and 1A at GCSE; A in FSMQ (Additional Maths)

## WORK EXPERIENCE

### Google

London, UK

*Software Engineering Intern, Google Go*

May 2020 - Sep 2020

- Designed and implemented novel, interactive search experiences for the [Google Go](#) app (Java/Android SDK) with a focus on overcoming human-centred challenges for new internet users in the India market

### Google DeepMind

London, UK

*Software Engineering Intern, Google Health*

Jun 2019 - Sep 2019

- Designed and implemented a feature for the [Streams](#) app using Go and gRPC to improve contextual information given to clinicians when viewing patients' health records, improving quality of care
- Worked with clinicians in the NHS and colleagues across disciplines to build a proof-of-concept UI for a proposed feature using Flutter and Dart, used to drive product decisions for a future cross-team project

### Bloomberg

London, UK

*Software Engineering Intern, Data Technologies*

Jul 2018 - Sep 2018

- Worked on [PowerfulSeal](#), an open source chaos engineering tool (1,000+ stars on GitHub) used to test the resilience of Kubernetes clusters behind an internal microservices platform
- Implemented tooling for configuration and monitoring of PowerfulSeal using Python and JavaScript (Vue.js + Flask), improving usability and visibility of faults introduced during resilience testing

### Artificial Labs

London, UK

*Software Development Intern*

Jul 2017 - Sep 2017

- Implemented a microservice to ingest live professional sports injury data from a legacy feed into a PostgreSQL database, enabling insurers to make fast, informed decisions from a unified source of truth

## VOLUNTEERING AND LEADERSHIP

### President, Imperial College Department of Computing Society

Aug 2018 - Jul 2020

- Led a committee of sixteen and liaised with stakeholders across the university and student union to enable the society's volunteers to make a lasting impact on its 1,400 members
- Led fundraising and oversaw subsequent spending of £150k in sponsorship funds from 25 sponsors
- Organised [IC Hack](#), the UK's largest student-run hackathon, with a £60k budget and 450 attendees
- Implemented new knowledge transfer processes to support long-term growth of the society and drove long-term strategy in areas including diversity and postgraduate engagement

## SKILLS & INTERESTS

**Languages/Frameworks** – Proficient in PHP (inc. Laravel); familiar with Go, Java (inc. Android SDK), Python (inc. Flask), JavaScript (inc. Vue.js), SQL; previously used C, Haskell.

**Technologies** – Experienced with Git; familiar with Unix/Linux, continuous integration (TravisCI); exposed to Kubernetes, Docker, Google Cloud Platform, AWS (EC2, S3), Webpack.

**Extracurricular** – President '19/20, Imperial College Department of Computing Society; lead organiser, IC Hack 20; fives (ball game) player.

## ACHIEVEMENTS

**IET Diamond Jubilee Scholar** – Awarded grant for commitment to software engineering

Oct 2017

**Cambridge Bio-Hackathon (1st Place)** – Won first place prize for building a synthetic biology web application providing an intuitive interface to interact with cloud laboratories

Jun 2016