

# KELVIN ZHANG

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## EDUCATION

### Imperial College London

London, UK

MEng Computing

2017 - 2021

- On track for 1:1 with first class across all years, incl. 90%+ in programming and labs
- 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

### 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

### Student Trustee, Imperial College Union

Jul 2020 - Present

- Appointed student trustee on Board of Trustees of a £10mm revenue charity with 17,000 members

### 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

## PUBLICATIONS

**Zhang, K.\***, Cross, T.\*, Navarange, R.\*, Son, J.\*, Burr, W.\*, Singh, A.\*, Rusu, M., Gkoutzis, K., Osborne A. and Nieuwenhuis, B., **2020**. *Simple RGC: ImageJ plugins for counting retinal ganglion cells and determining the transduction efficiency of viral vectors in retinal wholemounts*. [arXiv:2008.0627](https://arxiv.org/abs/2008.0627).

## SKILLS & INTERESTS

**Languages** – English (native speaker), Mandarin Chinese (elementary)

**Extracurricular** – President '19/20, Imperial College Department of Computing Society; lead organiser, IC Hack 20; amateur pianist (ABRSM Grade 7); fives (ball game) player

## ACHIEVEMENTS

**Imperial College Union Outstanding Service Award** – Awarded for significant and repeated contributions to student life at Imperial, one of two recipients from the Department of Computing Jul 2020

**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