Kelvin Zhang

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Industry Experience

Google DeepMind
Senior Software Engineer, Gemini Human Data
London, UK
Feb 2024 - Present

- Building the next AGI evals and reinforcement learning infrastructure in Gemini's Agents Area
- Led an effort to build tooling for a step-change in human data quality used for training and evals across Gemini, Science and other areas, enabled by working with researchers across Google DeepMind and key external human data vendors in the AI data ecosystem
- Tech lead (incl. management responsibilities, 3-5 engineers) for data management and governance on Gemini's Human Data team, focused on data provenance and EU Digital Markets Act compliance
- Kindled a cross-Google workstream to urgently build infrastructure and processes for post-training model governance, lineage, and machine-attested data cards
- Providing ad-hoc support for research scientists on gathering human data at scale (100K+ data points) for Gemini's evals, for capabilities including safety and assurance, agents and audio

Monzo
Backend Engineer, Platform
London, UK
Jul 2023 - Feb 2024

- Large-scale re-architecting of a core payments platform to help teams iterate faster, built in a tight, collaborative feedback loop with a sprint to launch a suite of industry-leading user security features

Google
Software Engineer, Search (Product) and Health (Platform)
London, UK
Oct 2021 - Jul 2023

- Re-architected automation behind for Google for Clinicians' data ingest pipeline, reducing time for features and data to reach clinicians and data scientists by five days
- Launched experiments of a complete re-design of the Google Search homepage with a novel, media-first experience for low literacy users in India

Prior internships include Google Search (2020), DeepMind Health (*Streams*, used by the Royal Free Hospital, 2019), Bloomberg (2018), Artificial Labs (2017).

Trustee and Volunteering Experience

Trustee, Spark! (Hounslow Education Business Partnership)
Aug 2021 - Present

- Key contributor to improving governance of a grant-funded charity supporting young people's employment outcomes, providing fresh scrutiny during its rapid growth from £100k ARR to £700k+
- Provided a key voice in the board's transition to a medium-sized charity, driving step-changes to governance and financial controls (interviewing for a new chair, tightening reserves policy and risk register practices) and wider operational areas (safeguarding, employee retention)

Student Trustee, Imperial College Union
Jul 2020 - Aug 2021

- Appointed student trustee on Board of Trustees of a £10mm turnover charity with 17,000 members
- Contributed to the student union's *Back to Basics* strategy, after a period of stagnation where the organisation could not effectively meet the operational demands of hundreds of student societies
- As part of the Finance & Risk Sub-Committee, engaged in areas including reserves, COVID resilience, and HMRC investigations, and led scrutiny on application of post-Brexit EU VAT and GDPR laws

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

Additional volunteering with University College London Hospitals (Critical Care Ward Admin Volunteer, 2021-22).

Education

Imperial College London
MEng Computing, 1:1
London, UK
2017 - 2021

- Distinguished project (90% in MEng thesis) and ARM Project Prize for best computer systems project; awarded the IET Diamond Jubilee Scholarship (2017-20)
- Wrote master's thesis in applying control theory and profiling techniques to self-adaptive load shedding on Kubernetes clusters under high load, showing 22% improvement in metrics over prior work

Skills & Interests

Selected Technical Skills – Experienced with Python (code style reviewer at Google), C++, Go, and Java. Familiar with TypeScript and Dart. Hosted Distributed Data track at O'Reilly Velocity '18 Conference.
Extracurriculars – Running, chamber choir, photography, and reading.