

HARRY ZHANG

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EDUCATION

UNIVERSITY OF NEW SOUTH WALES

February 2016 – May 2021 (Expected)

Bachelor of Aerospace Engineering (Hons.) and Computer Science

- WAM: 76.871 | Currently completing a thesis on aerodynamic modelling using deep learning techniques

KEY EXPERIENCES

EARLYTRADE

January 2020 – Present

Software Engineer (Part-time with uni)

Full-stack developer in the core technical team of Australia and New Zealand's leading early payment start-up

- Driving implementation and testing (Typescript) of Earlytrade's core web application used by over 40,000 registered businesses across Australia and New Zealand
- Extending Earlytrade's API to streamline development of new products and features
- Practising strong product management principles to effectively address complex challenges in a fast-paced start-up environment, and regularly reports to the CTO

DELOITTE CONSULTING

November 2018 – February 2019

DevOps Intern

Combined commercial and technical problem-solving skills to plan and implement enterprise-level transformation projects

- Established key technical requirements as part of an IT operating model transformation project, and generated important PM artefacts presented to senior stakeholders
- Automated data pre-processing activities (Python) and incorporated document indexing (AWS S3 & CloudSearch) to massively reduce time spent on search in large data repositories across teams
- Constructed a bespoke Slack SMS/Email integration tool (Java) with Twilio to enhance PM communications, with ~40% improved team responsiveness and ~60% reduced average response time

OTHER RELEVANT EXPERIENCES

UNSW HYPERLOOP

September 2018 – September 2019

Founder and Project Manager

Spearheaded Australia's first innovation project on vacuum-train technology at UNSW Engineering

- Established new administrative and resource management processes to reduce an expected product development timeline of 18-24 months to 6 months
- Coordinated 13 industry partners, 24 students, and 3 university staff to successfully complete build, and place 7th at the 2019 SpaceX Hyperloop Pod Competition from an international talent pool of 1000+ teams
- Generated over \$60,000 of industry funding, to become UNSW Engineering's first totally industry expensed project, by leading 6+ students under an aggressive partnerships campaign and winning several grants

FLOW NOISE GROUP

August 2017 – April 2018

Research Assistant

Performed cutting-edge research in aeroacoustics to identify potential advancements in vehicular technology

- Supported writing and review of 3 published academic papers in 2 highly regarded aerospace related journals
- Established improved resource management processes to reduce annual lab equipment expenditure by 18%
- Regularly reviewed journal news to identify potential areas of research, and drafted experimental designs

HARRY'S BOOKCLUB

September 2019 – Present

Founder and Facilitator (The OG)

Celebrating education, growth, and perspective around the world through an interactive digital platform

- Managing a community of 33 young adults spread over 6 countries, and growing
- Facilitates a weekly forum of interesting ideas using diverse works of literature as stimuli

TECHNICAL SKILLS

Certifications - AWS Technical Professional, AWS Business Professional, AWS TCO & Cloud Economics

Programming Languages – C, Java, Perl, Typescript (React, TypeORM, TypeGraphQL), Python (PyTorch), SQL (PostgreSQL)

Other – CI/CD with AWS Cloud products (CloudFormation, EC2), graph databases with AWS Neptune (Gremlin)