

EDUCATION

UNIVERSITY OF NEW SOUTH WALES

February 2016 – Present

Bachelor of Engineering (Hons.) and Computer Science – Aerospace Engineering

- WAM (Hons.): 81.3 | Currently pursuing electives in Distributed Systems and Search

PORT HACKING HIGH SCHOOL

January 2012 – September 2015

Higher School Certificate

- ATAR: 94.85 | Vice-Captain '15; recognised student leader and community benefactor

KEY EXPERIENCES

DELOITTE CONSULTING

November 2019 – December 2019

Strategy & Innovation Intern (Technology, Strategy, & Transformation)

Leveraged technical background to transform people, processes, and governance at a major client by delivering a new IT ops model

- Engaged with stakeholders to refine requirements and tailor deliverables under tight deadlines within a team of 5
- Conducted industry research to develop key knowledge articles on new technology roles, ways of working, and processes
- Assessed client maturity against a reference capability model to guide implementation road mapping

DevOps Intern (Technology, Strategy, & Transformation)

November 2018 – February 2019

Combined problem-solving and technical skills in software to plan and implement enterprise-level infrastructure for major clients

- Developed core capabilities in cloud architecture by completing several accredited courses through AWS and Linda.com
- Performed data pre-processing activities on extensive data packets to minimise noise during insight synthesis on a \$0.5B valued project within a team of 5
- Constructed a bespoke PM tracking for internal use, improving team responsiveness by 40% and response times by 60%

UNSW HYPERLOOP

September 2018 – September 2019

Founder and Project Manager

Spearheaded Australia's fastest growing innovation project in vacuum-train technology at UNSW Engineering

- Introduced several 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 pool of 1000+ teams
- Generated over \$60k of industry funding, to become UNSW Engineering's first totally industry expensed project, by leading 6+ students under an aggressive partnerships campaign

OTHER RELEVANT EXPERIENCES

180 DEGREES CONSULTING

February 2018 – November 2018

Consultant

Drove value within social enterprises by bettering growth and investment through a strategy perspective

- Generated public facing knowledge artefacts that boosted a healthcare client's customer growth rate by 5 times
- Secured over 30% more funding for a transport client by conducting and presenting a service valuation study to investors
- Enabled more insightful client performance tracking by reformulating business processes to involve internal data collection

FLOW NOISE GROUP

August 2017 – April 2018

Research Assistant (Aeroacoustics)

Performed cutting-edge research in aerospace engineering to characterise 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 almost \$20k
- Regularly reviewed journal news to identify potential areas of research, and drafted experimental procedures for design

SPACE SALAD

December 2017 – July 2018

Founder

Lead a next-generation agricultural-technology service leveraging modern developments in Australia's Space sector

- Performed comparative analyses on 20+ related start-ups, interviewed 10+ industry experts from NASA and JAXA to identify to commercial and technical barriers
- Explored industry partnership opportunities and maintained 10+ relationships with prospective tech-hubs, sponsors, and a university research group

TECHNICAL SKILLS

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

Programming Languages - Shell, Perl, JavaScript, Python, Java

Open Source Libraries - PyTorch, PostgreSQL