

EDUCATION

University of New South Wales

Bachelor of Science (Computer Science – Security Engineering); WAM 81.42

Sydney, Australia

2017 – 2019

EXPERIENCE

Jane Street

Production Engineer

Hong Kong

Jan 2020 - Present

- Supporting post-trade systems as the first production engineer in the APAC region.
- Responsible for triaging and resolving production issues, coordinating with developers and notifying stakeholders.
- Developed tooling to expedite common support requests, reducing total time spent and human errors.
- Automated and standardised complex workflows for requesting new trading flows.
- Implemented improvements to sheet downloading infrastructure, and the support tooling surrounding these processes.

Optiver Asia Pacific

Software Developer Intern

Sydney, Australia

Feb 2019 – Jun 2019

- Developed tooling to enable fleet-wide continuous deployment, with 90% of applications continuously deployed.
- Created web dashboards to surface statistics on package deployments and state.
- Managed rollouts of continuous deployment tooling through Ansible.

Application Engineer Intern

Nov 2018 – Feb 2019

- Implemented a process status reporting framework, surfacing metrics on over three thousand applications.
- Modernised legacy components of process control tooling, improving service reliability and quality.

Nasdaq (SMARTS Trade Surveillance)

DevOps Engineer (Contract)

Sydney, Australia

Mar 2018 – Nov 2018

- Containerised existing CI pipelines, reducing test times from thirty minutes to three.
- Created and maintained Puppet modules to effectively manage infrastructure.
- Packaged modern software tools to supersede versions available on CentOS 6.

DevOps Intern

Nov 2017 – Mar 2018

- Implemented an automated regression testing framework, improving test coverage.
- Developed proof of concepts for new internal tools allowing clients to self-validate data, reducing turnaround times from weeks to hours.

University of New South Wales

Tutor

Sydney, Australia

Aug 2017 – Jun 2019

- **COMP1511 - Introduction to Programming:** Introductory course to programming with an emphasis on C.
- **COMP1521 - Computer System Fundamentals:** Introductory course on systems programming with an emphasis on MIPS.
- **COMP6443 - Web Application Security:** Course teaching defensive programming and applications analysis from an attacker mindset.

DISTINCTIONS

PyCon 2019

Speaker (Using Python, Flask and Docker to teach Web Pentesting)

2019

Cyber Challenge Australia (CySCA)

Overall Second Place

2018

Facebook Bug Bounty Program

Denial of Service Vulnerability in Facebook Messenger

2016