

## EDUCATION

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### University of New South Wales

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

Sydney, Australia

2017 – 2019

## EXPERIENCE

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### 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

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### PyCon 2019

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

2019

### Cyber Challenge Australia (CySCA)

*Overall Second Place*

2018