

Adam Tanana

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GitHub: github.com/adamtanana

Education

UNSW (WAM: 83/100)

Sydney, Australia

Advanced Mathematics (Honours) / Computer Science

Feb 2017 – Dec 2019 (expected)

Noteworthy Courses:

- COMP2521 Data structures and Algorithms
- COMP3121 Algorithms and Programming Techniques
- COMP6841 Extended Security Engineering
- COMP6447 System and Software Security Assessment (Received 100 in course)

Work Experience

Jane Street Capital - Software Engineer Intern (Hong Kong)

Nov 2018 – Feb 2019

- Worked on internal tooling and compilers team and design a high throughput system for realtime parsing of large messages with minimal allocations.
- On a separate project, redesigned and reimplemented common browser capabilities in OCaml, integrating unit-testing, type safety and memory safety into the architecture.

UNSW Australia – Casual Tutor (TA)

Feb 2018 – Feb 2019

- Was chosen by the lecturer to tutor Introduction to Programming (COMP1511), Computer Systems Fundamentals (COMP1521)
- Helped students to solve course related problems, marking labs, assignments and exams.
- Given Seminars/Lectures for System and Software Security Assessment (COMP6447) on topics such as Format String vulnerabilities and modern exploitation techniques (ROP and Heap exploitation)

Optus - System Administrator Intern

Nov 2017 – Feb 2018

- Created dashboards to monitor system critical information from live servers.
- Worked with Splunk and ElasticSearch technologies
- Designed algorithms to create alerts based on unusual system/user activity

Personal Projects

- FreeBSD Rootkit and Rootkit Detector
- Modular Malware Framework & Malware generation framework
- <https://tanana.io/>
- <https://github.com/adamtanana>

Technical Skills

- Proficient: C, Java, Golang, Python, x86 Assembly
- Comfortable: Bash, SQL, JavaScript, Splunk, ELK, OCaml

Academic Achievement

- Commonwealth Bank Cyber Award 2019
- Cyber Challenge Australia (CySCA) 5th place 2018
- UNSW Engineering Dean's Honours List 2018