Adam Tanana

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Education

UNSW (WAM: 83/100)   Sydney, Australia

Bachelor of Computer Science   *Feb 2017 – Nov 2019*
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

UNSW Australia – Lecturer   *March 2019 - Current*

                          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.
- Lecturer for System and Software Security Assessment (COMP6447), teaching topics such as Reverse Engineering, Shellcode writing, Basic and intermediate Buffer overflow exploitation techniques and modern exploitation techniques (ROP and Heap exploitation)

Jane Street Capital - Software Engineer Intern (Hong Kong)   *Nov 2018 – Feb 2019*

- Worked on internal tooling and compilers team and designed 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.

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/ Challenge Writeups and Blogs

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 and 2019