David Nangoi

Entry Level Cyber Security Internship

Quick Profile

An enthusiastic 18-year old Cyber Security Engineering student at Victoria University, with multiple CTFs participated. Entered NZCSC2023 and finished in top 10. Currently undertaking 2nd year of study. I'm seeking a summer internship where I can apply my skills and learn from experienced individuals and leaders.

- Great foundation in C/C++, proficient in java & python
- Proficient in UNIX systems with extensive hands-on experience
- Strong familiarity with networks and systems

Work Experience

Part Time Tutor (for VUW), C++ Programming class
February - June 2024
- Assisted students by providing guidance on C++ programming concepts, debugging, and problem-solving techniques.
- Facilitated learning through hands-on coding sessions, helping students improve their coding efficiency and understanding.
- Helped students familiarise themselves with UNIX systems (Raspberry pi), as well as gitlab environment

Skills
Technical Skills
- **Programming Languages**: Java, C/C++, Python, R.
- **Databases**: Familiar with SQL.

Cybersecurity Skills

- **Reverse Engineering**: Proficient with Ghidra; reverse-engineered 5 personal projects
- **Network Security**: Extensive experience with Nmap, network switches, and network security evasion (3 personal projects)
- **Buffer Overflow Exploits**: Completed 2 university projects and 3 personal projects
- **Web Application Security:** Deep knowledge of Burp Suite for front-end attacks including XSS, SQL injection, and CSRF. 1 university project and 3 personal projects.

- **Privilege Escalation**: 2 university projects and 4 personal projects.
- **Metasploit**: Applied in 2 personal projects.
- **CTFs**: Entered NZCSC2023 and ended up in the top 10 team out of 52.

Soft Skills

- Teamwork: Collaborative in diverse environments to achieve common goals
- Critical Thinking: Able to analyse complex problems and develop effective solutions
- Problem-Solving: Skilled at troubleshooting and resolving technical and logical issues
- Adaptability: Quick to adjust to new challenges and learning environments
- Collaboration: Strong ability to work effectively in teams and communicate ideas
- Analytical Mindset: Proficient in analysing data and systems to make informed decisions

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Current Education

I'm currently in my second year of a Bachelor of Engineering (Hons) majoring in Cybersecurity at Victoria University of Wellington. My coursework includes:

- **2023, Trimester 1**: COMP112, CYBR171, ENGR121, ENGR101
- **2023, Trimester 2**: COMP103, ENGR123, CGRA151, ENGR110
- **2024, Trimester 1**: NWEN241, COMP261, DATA202, SWEN221
- **2024, Trimester 2**: NWEN243, CYBR271, SWEN225, ENGR201

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Reference is Available on request