

LEO NGUYEN

Adelaide SA, 5000

Australian Citizen with full working rights

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Education

University of Adelaide

Feb. 2022 – Sep 2025

Bachelor of Computer Science (Cybersecurity) (6/7 GPA)

Adelaide, SA

Experience

Joint DSTG and University of Adelaide Summer Program

November 2024 – February 2025

Cyber Research Intern

Adelaide, SA

- Was accepted in a Defence funded Cyber Summer Program to conduct research on Radio Control Link Analysis and Manipulation
- Leveraged SDRs to identify and analyze frequency ranges of RC surface vehicles
- Developed automated signal detection using GNU Radio and implemented demodulation algorithms in C++
- Researched vulnerabilities in UAV communication protocols and proposed security enhancements to mitigate potential exploits

Projects

SecuFlow Miner - Althea | *Python, Kotlin, JavaScript, HTML & CSS*

August 2024

- Worked collaboratively to design and implement a Git repository mining tool to extract software security insights
- Created Kotlin scripts to extract data from Git repositories and utilized the NetworkX Python library to generate visual graph representations to analyze Socio-Technical Congruence Metric
- Developed a dashboard to display graphs using JavaScript and general website design with HTML and CSS
- Applied agile development to successfully execute and complete each phase of the implementation process, as well as general Software Engineering practices

Collaborative VR Game Development | *C#, Unity*

August 2023

- Learnt to work with a group in a simulated work environment in game industry
- Performed collaboratively within group of various roles to produce large scale VR game
- Utilized the layout editor to create a UI for the application in order to allow different scenes to interact with each other
- Communicated concisely with team members with weekly meetings and addressing requirements
- Learned common game design standards and VR paradigms to maximize user experience

University Clubs Webpage | *JavaScript, Vue, MySQL, HTML & CSS*

February 2023

- Designed overall layout of website through HTML & CSS.
- Collaborated with group to assign roles on each aspect of website
- Implemented functional database through MySQL and maintained user information

Technical Skills

Languages: C++, C, Python, JavaScript, Golang, Lua/Luau, HTML & CSS, MySQL

Developer Tools: VS Code, Visual Studio, PyCharm

Technologies/Frameworks: Windows, Ubuntu, Kali Linux, GitHub, Latex, React

Volunteer / Extracurricular

Locked Shields Partner Run 2025

April 2025

Attendee

NATO CCDCOE

- Participated in a 3-day, 27-hour cyber defense exercise
- Contributed to 5G Networks team, utilizing Open5G and UERANSIM
- Attempted to defend against Red Team attacks targeting network infrastructure

Adelaide University Volleyball Club

Summer 2022 – Present

Comitee

University of Adelaide

- Went to weekly social volleyball sessions to help set up nets and manage player experience
- Underwent training 2 times a week and played in division 5 state league

Computer Science Club

Autumn 2025 – Present

Open Source Contributor

University of Adelaide

- Contributing to a Voxel Game Engine Project using OpenGL
- Attending monthly meetings discussing issues on various projects