

LEO NGUYEN

Adelaide SA, 5000

Australian Citizen with full working rights

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Personal Website: <https://leo-portfolio-two.vercel.app/>

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

- Conducted research on RF technology to manipulate and analyse radio communication systems
- Identified and analysed frequency ranges of remote control surface vehicles by utilising software defined radios
- 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
- Demonstrated technical expertise by presenting a three-minute thesis summarising three months of research

Locked Shields Partner Run 2025

April 2025

Participant

NATO CCDCOE

- Participated in a 3-day, 27-hour cyber defense exercise
- Contributed to 5G Networks team, utilising open-source tools such as Open5G and UERANSIM
- Monitored and analysed system logs to detect potential security incidents and malicious activity
- Collaborated with security team to mitigate Red Team exploits, strengthening detection and response capabilities

Projects

Availability Calendar SaaS - Frontend Developer | *JavaScript, React, TailwindCSS*

July 2025 - Present

- Developed a responsive landing page and dashboard using React with TailwindCSS for modern UI styling and routing
- Collaborated with a team to align frontend design with backend functionality and ensure consistent standards
- Implemented Google OAuth authentication for secure and seamless user login

Personal Portfolio Website | *JavaScript, React, TailwindCSS*

May 2025 - Present

- Developed a webpage to showcase projects, experiences and writeups with React and TailwindCSS
- Implemented responsive design principles to ensure optimal viewing across various devices and screen sizes
- Utilised React Router for seamless navigation and dynamic content rendering
- Deployed the website on Vercel for reliable hosting and continuous deployment

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

August 2024

- Designed and implemented a git repository mining tool to extract software security insights
- Extracted data from git repositories and utilised the NetworkX Python library to generate visual graph representations to analyse user contributions
- Developed a dashboard to display graphs with JS and user-friendly UI with HTML and CSS
- Applied agile development to successfully execute and complete each phase of the implementation process, as well as general SWE practices

Technical Skills

Languages: C++, C, Python, JavaScript

Developer Tools: VS Code, PyCharm

Technologies/Frameworks: Windows, Linux, Kali Linux, GitHub, React, TailwindCSS

Volunteer / Extracurricular

Adelaide University Volleyball Club

Summer 2022 – Present

Committee

University of Adelaide

- Comitted to weekly social volleyball sessions to develop teamwork and communication skills
- Underwent intense physical training two 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