

Education

University of Western Australia	Perth, Western Australia	Jul 2022 – Jun 2025
<ul style="list-style-type: none"><li>Major: Computer Science and Cybersecurity, B. S. (GPA: 6.125/7)</li><li>Minor: Physics</li></ul>		

Employment

Full Stack Developer	0x3f Labs	Nov 2024 – Present
We are a startup and work with clients in need of a website for their businesses		
<ul style="list-style-type: none"><li>Providing End-to-End software solutions to clients including website and deployment.</li></ul>		
Tech Stack: Svelte, Strapi		
Front-End Developer (Penni)	Coders For Causes	Jun 2024 – Jul 2024
Student-led volunteer organization providing technical solutions to empower charities and non-profit organizations.		
<ul style="list-style-type: none"><li>Developed and implemented profile and payouts pages for a NPO called Penni.</li><li>Collaborated with team members using Git and Figma for design and development, delivering high-quality responsive web interfaces</li></ul>		
Project: <a href="https://github.com/codersforcauses/penni">github.com/codersforcauses/penni</a> Tech Stack: TypeScript, Next.js, Tailwind CSS, Git, Figma		
Retail Sales Assistant	Jim Kidd Sports	Mar 2024 - Present
<ul style="list-style-type: none"><li>Manage footwear department while handling POS operations, inventory management, and customer service</li></ul>		
IT Security Intern	ProDT Consulting Services	Dec 2023 - Mar 2024
Digital transformation consultancy specializing in business process automation and IT modernization.		
<ul style="list-style-type: none"><li>Created a comprehensive security guidelines document, complete with detailed procedures and checklists, to strengthen our cybersecurity framework.</li><li>Additionally, I enhanced our mitigation strategies using Microsoft Defender Intune, boosting overall employee efficiency in navigating security protocols.</li></ul>		
IT/Programmer Intern	South Perth Learning Centre	Jun 2023 - Jul 2023
Community learning center providing educational and support services to local residents.		
<ul style="list-style-type: none"><li>Developed and implemented a Google AppScript solution to automate the booking and management system for appointments and rooms, streamlining administrative processes</li><li>Successfully integrated the automated system with the center's classroom portal, improving operational efficiency for staff and students</li></ul>		
Retail Sales Assistant	GANT	Jun 2023 - Mar 2024
<ul style="list-style-type: none"><li>Managed POS operations, inventory control, and customer service while performing duty manager responsibilities</li></ul>		

Skills

- Technical Skills: Java, Python, C, HTML, JavaScript, CSS, SQL, Typescript, Next.js, React.js, Tailwind CSS, Pandas, Flask
- Developer Tools: Git/GitHub, MySQL, Docker, CI/CD, Unit Testing, Data Structures, Algorithms, Linux, Postgres
- Microsoft Tools: Word, Excel, PowerPoint, Teams, Outlook, Visual Studio IDE, Microsoft Defender/Intune

Software Projects

FitTracker - Fitness visualisation tool (Capstone)	Contributor
<ul style="list-style-type: none"><li>Developed a full-stack web application using Flask and Python for tracking student fitness data across multiple university units</li><li>Implemented data visualization features including scatterplots, boxplots, heatmaps, and spider plots for comparing fitness metrics</li><li>Integrated outlier detection and statistical analysis using scikit-learn for automated data validation</li><li>Designed admin dashboard with comprehensive controls for managing student data and application settings</li><li>Utilized: Python, Flask, SQLAlchemy, PostgreSQL, HTML, JavaScript, Bootstrap, Jinja2, Flask-Login, Werkzeug, security</li></ul>	
The Resistance AI	Project Link Creator
<ul style="list-style-type: none"><li>Developed an intelligent agent for The Resistance (social deduction game) using Python and Q-Learning algorithms</li><li>Implemented probabilistic reasoning for spy detection and strategic decision-making</li><li>Integrated dynamic trust scoring system and expert player heuristics for improved performance</li><li>Achieved 78% win rate vs RandomAgent and 65% vs BasicAgent through optimized game strategies</li><li>Utilized: Python, Q-Learning, Reinforcement Learning, Probability Theory, Game AI</li></ul>	
VirusWare - Malware Simulation	Project Link Creator
<ul style="list-style-type: none"><li>Developed educational malware demonstrating self-replication, evasion techniques, and encrypted data exfiltration via HTTPS</li><li>Implemented client-server architecture with system-level programming across multiple OS environments</li><li>Successfully created and tested in controlled, isolated environments for educational purposes</li><li>Utilized: Python, HTTPS, Cryptography, Cross-platform Development, Client-Server Architecture</li></ul>	
Editor Portfolio	Project Link Creator
<ul style="list-style-type: none"><li>Developed a responsive portfolio website with mobile-first design to showcase client's professional work</li><li>Utilized: HTML, CSS, JavaScript, Responsive Design, SEO best practices</li></ul>	

## Enterprise Cybersecurity System

## Project Link

## Contributor

- Developed multi-layered security solution for enterprise file systems using custom Yara Engine
- Implemented dynamic encryption system and Moving Target Defense (MTD) for adaptive security
- Created automated security recommendation system for threat mitigation
- Designed advanced threat detection system for enterprise-level protection
- Utilized: YARA, MTD, Encryption Systems, Defensive Security, Threat Detection

## Extra - Curricular

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### Leadership & Community

- **International Student Rep**, Data Science Club UWA (2024): Coordinated industry events with Visagio, WADSIH
- **Logistics Coordinator & Secretary**, Relay for Life (2023-24): Managed team recruitment and Perth's largest fundraiser
- **Secretary**, UWA Robotics Club (2023): Led documentation and team collaboration initiatives

### Hackathons & Competitions

#### **Kazooey - Sustainability Hackathon CFC x Infosys x Wesfarmers (2023): Secured 3rd place (\$800) | HTML, CSS, JavaScript, Figma**

- Designed and developed a web platform that incentivizes workplace sustainability through gamification
- Built an intuitive dashboard for tracking individual and company-wide environmental metrics
- Implemented automated energy management system with real-time monitoring and smart shutdown features
- Created administrative tools for managers to analyze sustainability performance across departments
- Collaborated in a team of 4 to deliver a complete solution within a 48-hour hackathon deadline

#### **Light of the World - COMSSA Hackathon x WADSIH (2024) | HTML, CSS [GitHub](#)**

- Developed a comprehensive energy solution combining floating solar arrays and tidal power for Madagascar
- Designed IoT-integrated SCADA monitoring system for real-time tracking of energy production
- Created interactive web interface to visualize energy generation and environmental impact data
- Conducted technical feasibility studies for energy storage solutions including pumped hydro and batteries
- Led front-end development in a team of 5, focusing on responsive design and user experience