

Education

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

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">Providing End-to-End software solutions to clients including website and deployment.		
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">Developed and implemented profile and payouts pages for a NPO called Penni.Collaborated with team members using Git and Figma for design and development, delivering high-quality responsive web interfaces		
Project: github.com/codersforcauses/penni Tech Stack: TypeScript, Next.js, Tailwind CSS, Git, Figma		
Retail Sales Assistant	Jim Kidd Sports	Mar 2024 - Present
<ul style="list-style-type: none">Manage footwear department while handling POS operations, inventory management, and customer service		
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">Created a comprehensive security guidelines document, complete with detailed procedures and checklists, to strengthen our cybersecurity framework.Additionally, I enhanced our mitigation strategies using Microsoft Defender Intune, boosting overall employee efficiency in navigating security protocols.		
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">Developed and implemented a Google AppScript solution to automate the booking and management system for appointments and rooms, streamlining administrative processesSuccessfully integrated the automated system with the center's classroom portal, improving operational efficiency for staff and students		
Retail Sales Assistant	GANT	Jun 2023 - Mar 2024
<ul style="list-style-type: none">Managed POS operations, inventory control, and customer service while performing duty manager responsibilities		

Skills

<ul style="list-style-type: none">Technical Skills: Java, Python, C, HTML, JavaScript, CSS, SQL, TypeScript, Next.js, React.js, Tailwind CSS, Pandas, FlaskDeveloper Tools: Git/GitHub, MySQL, Docker, CI/CD, Unit Testing, Data Structures, Algorithms, Linux, PostgresMicrosoft Tools: Word, Excel, PowerPoint, Teams, Outlook, Visual Studio IDE, Microsoft Defender/Intune		
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Software Projects

Portfolio Website	Project link	Creator
<ul style="list-style-type: none">A simple portfolio showcasing my skills and projectsUtilized: React, Tailwind CSS, TypeScript		
FitTracker - Fitness visualisation tool (Capstone)		Contributor
<ul style="list-style-type: none">Developed a full-stack web application using Flask and Python for tracking student fitness data across multiple university unitsImplemented data visualization features including scatterplots, boxplots, heatmaps, and spider plots for comparing fitness metricsIntegrated outlier detection and statistical analysis using scikit-learn for automated data validationDesigned admin dashboard with comprehensive controls for managing student data and application settingsUtilized: Python, Flask, SQLAlchemy, PostgreSQL, HTML, JavaScript, Bootstrap, Jinja2, Flask-Login, Werkzeug.security		
The Resistance AI	Project Link	Creator
<ul style="list-style-type: none">Developed an intelligent agent for The Resistance (social deduction game) using Python and Q-Learning algorithmsImplemented probabilistic reasoning for spy detection and strategic decision-makingIntegrated dynamic trust scoring system and expert player heuristics for improved performanceAchieved 78% win rate vs RandomAgent and 65% vs BasicAgent through optimized game strategiesUtilized: Python, Q-Learning, Reinforcement Learning, Probability Theory, Game AI		
VirusWare - Malware Simulation	Project Link	Creator
<ul style="list-style-type: none">Developed educational malware demonstrating self-replication, evasion techniques, and encrypted data exfiltration via HTTPSImplemented client-server architecture with system-level programming across multiple OS environmentsSuccessfully created and tested in controlled, isolated environments for educational purposesUtilized: Python, HTTPS, Cryptography, Cross-platform Development, Client-Server Architecture		

Editor Portfolio	Project Link	Creator
<ul style="list-style-type: none">Developed a responsive portfolio website with mobile-first design to showcase client's professional work<u>Utilized:</u> HTML, CSS, JavaScript, Responsive Design, SEO best practices		
Enterprise Cybersecurity System	Project Link	Contributor
<ul style="list-style-type: none">Developed multi-layered security solution for enterprise file systems using custom Yara EngineImplemented dynamic encryption system and Moving Target Defense (MTD) for adaptive securityCreated automated security recommendation system for threat mitigationDesigned advanced threat detection system for enterprise-level protection<u>Utilized:</u> YARA, MTD, Encryption Systems, Defensive Security, Threat Detection		

Leadership & Community

<ul style="list-style-type: none">International Student Rep, Data Science Club UWA (2024): Coordinated industry events with Visagio, WADSIHLogistics Coordinator & Secretary, Relay for Life (2023-24): Managed team recruitment and Perth's largest fundraiserSecretary, UWA Robotics Club (2023): Led documentation and team collaboration initiatives		
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Hackathons & Competitions

Kazooey - Sustainability Hackathon CFC x Infosys x Wesfarmers (2023): Secured 3rd place (\$800) HTML, CSS, JavaScript, Figma		
<ul style="list-style-type: none">Designed and developed a web platform that incentivizes workplace sustainability through gamificationBuilt an intuitive dashboard for tracking individual and company-wide environmental metricsImplemented automated energy management system with real-time monitoring and smart shutdown featuresCreated administrative tools for managers to analyze sustainability performance across departments		
Light of the World - COMSSA Hackathon x WADSIH (2024) HTML, CSS GitHub		
<ul style="list-style-type: none">Developed a comprehensive energy solution combining floating solar arrays and tidal power for MadagascarDesigned IoT-integrated SCADA monitoring system for real-time tracking of energy productionCreated interactive web interface to visualize energy generation and environmental impact data		