

Ben Alvaro

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EDUCATION

University of Melbourne <i>Bachelor of Science (Computing and Software Systems)</i>	Melbourne, Vic Mar. 2025 – Nov. 2027 (Expected)
Merewether High School <i>HSC (ATAR 97.2)</i>	Newcastle, NSW Jan. 2019 – Sept. 2024

EXPERIENCE

Machine Learning Data Operations Lead <i>Pitcrew AI</i>	December 2023 – Present Newcastle, NSW (Remote)
- Contributed to thermal imaging ML model training and troubleshooting including calibration and installation of hardware, including for clients based internationally - Managed a team of 6 data labeling technicians, ensuring quality in 10000+ datasets through validation and feedback - Utilized Jira, Confluence, CVAT and Slack to effectively supervise annotation process	
IT Director	September 2025 – Present
IT Officer <i>UniMelb CISSA</i>	March 2025 – September 2025 Melbourne, VIC
- Released new club website (cissa.org.au) and built internal infrastructure - Created interactive pages and implemented Website plug-ins using Python, react, and Node.JS - Worked within the IT Team and between subcommittees to plan and run events totaling 1000+ participants across the year, and used internal tools to manage finances - Handled 5 organization wide accounts including web hosting and platform management	
Engineer Student Guide <i>QinetiQ / University of Melbourne</i>	July 2025 – Ongoing Melbourne, VIC
- Administered up to 3 training sessions a week for users to learn about safety and use of tools - Conducted administrative processes such as processing emails, booking appointments, and actioning complaints - Learned to operate and provide help to users of various machinery, including 3D Printers and Laser Cutters	

PROJECTS

Machine Learning-based Game AI <i>Python, PyTorch</i>	June 2025 - Ongoing
- Developed a variety of AIs for different games such as Snake & Space Invaders using reinforcement learning - Implemented using PyTorch for ML process, PyGame for games and other tools for data visualization	
CyberSecurity Management Platform <i>Python, CTKinter</i>	April 2024 - July 2024
- Developed a functional cybersecurity platform for my Software Design and Development Major Work (100%) - Implemented keylogging, encryption, and port scanning functions - Integrated Google Translate API for diverse user base	

EXTRA-CURRICULAR ACTIVITIES

World's Greatest Shave <i>Project Lead</i>	September 2023 - July 2024
- Headed the 2024 World's Greatest Shave initiative at Merewether High School, raising over \$80,000 - Organized over 20 events, and sourced over 4 different media companies for coverage	

SKILLS AND PROFICIENCIES

Languages: Python, C/C++, HTML/CSS, JavaScript, Java
Developer Tools: VS Code, Visual Studio, XCode, Git, Confluence, CVAT, Jira,
Soft Skills: Communication, Problem Solving, Project Management, Task Prioritization, Conflict Resolution

CERTIFICATES AND ACHIEVEMENTS

Certificates: CompTIA A+ (220-1101), CCNA 200-301 (Ongoing)
Achievements: Merewether High Prefect 23/24, Top 20% Merewether High, Admission to Graduate Degree Package University of Melbourne