

Finlay Ekins

[Email](#), [Linkedin](#), [My Website](#)

SUMMARY

Founder-minded and a strong action bias. Motivated, hardworking, and a love of learning.

Skilled in technical, business, and sales fields. Recognized leadership and teamwork skills.

EDUCATION

Feb 2022 – Aug 2025	Bachelor of Science (Mechatronics Systems), Concurrent Diploma in Computing The University of Melbourne
	<ul style="list-style-type: none">• H1 WAM (First Class Honours) in both degrees• Focus on hardware design and software for robotics
Jan 2016 - Dec 2021	NSW Higher School Certificate Sydney Grammar School <ul style="list-style-type: none">• ATAR - 99.5• Extension 2 Mathematics / Extension 1 Mathematics / Chemistry / Physics/ Advanced English / French Continuers
Jun 2018 - Jul 2018	French Exchange Course CAVILAM School <ul style="list-style-type: none">• French Continuers level B2

PERSONAL PROJECTS AND EXPERIENCE

Hardware	<ul style="list-style-type: none">• Battlebot that competed in a university competition designed with Arduino• Diffuser prototype used to combat hay fever with personalized PCB• Personalized digital soldering station with wooden housing
Software	<ul style="list-style-type: none">• Guitar-hero-like Java game with multiple levels and projectile enemies• Sokoban solver written in C using A* search• Proficiency in Verilog, Java, Python, Arduino (C++), C, LaTeX (Premier Tutors), MATLAB, C# with strong abilities in algorithms and data structures
Melbourne Space Program	<ul style="list-style-type: none">• Animatronics Team (electrical systems design)
Unimelb Rover Team	<ul style="list-style-type: none">• Robotic arm sub-team (competed at nationals in Adelaide), designed custom PCBs

RELEVANT WORK EXPERIENCE

June 2025 – Present	Founder Hourglass Digital , Melbourne CBD, VIC
	<ul style="list-style-type: none">• Grew the business to \$100k ARR within 3 months• Hired and managed subcontractors• Spoke to 100+ business owners and implemented AI solutions in 20+ businesses

March – June 2025	Embedded Systems Engineer <u>Nutromics</u> , Brunswick, VIC
	<ul style="list-style-type: none"> Learned and implemented the technical precision required in medical devices both in Hardware and Software Took ownership of the entire data-offloading module of a 1M+ line embedded software system Prototyped medical devices for clinical trials
July 2024 – March 2025	Full Stack Engineer <u>Norby</u> , Windsor, VIC
	<ul style="list-style-type: none"> Rapidly developed hardware prototypes for Norby to meet sprint deadlines Wrote backend and frontend software as part of Norby's key infrastructure Designed marketing and website materials to facilitate a successful pre-order campaign for Norby
Feb – August 2024	Machine Technician <u>No Sense Entertainment</u> , Williamstown, VIC
	<ul style="list-style-type: none"> Communicated constantly with the service team and clients to build souvenir machines at a high standard, that meets the design specifications visually and functionally Independently performed machine maintenance at sites across Melbourne, requiring on-the-spot diagnosis and problem-solving of unique mechanical and electrical issues
Feb 2023 – Feb 2024	Maintenance Engineer <u>St Hilda's College</u> , Parkville, VIC
	<ul style="list-style-type: none"> Gained technical skills in repairing and maintaining heating, bathroom, and kitchen facilities and ensuring the wellbeing of all college residents, by attending their maintenance requests Developed strong organizational skills (often starting work at 6am, and sometimes early), whilst also coordinating the set-up of events of over 500 people

AWARDS AND ACHIEVEMENTS

Feb 2022 – Aug 2025	University Achievements
	<ul style="list-style-type: none"> University of Melbourne National Merit Scholarship 2022 St Hilda's College Florence Clucas Entrance Exhibition Scholarship 2022 University Nationals touch football representative Internationally certified Level 2 ski instructor O Week Leader and College Events Manager 2023 College Basketball Captain Mental Health First Aid Certificate 2023 Melbourne University Employability Accelerator Program Completion Badge
Jan 2016 - Dec 2021	Hightschool Achievements
	<ul style="list-style-type: none"> First Aid Certificate AMEB Grade 8 Saxophone Certificate

VOLUNTEER EXPERIENCE

Jan 2021 - Dec 2021	Volunteer Maths Tutor The Scott's College, Sydney, NSW
	<ul style="list-style-type: none"> Mentored a year 12 student at another School, improved their homework and assessment results with weekly meetings at the NSW State Library

Jan 2016 - Dec 2016 **Volunteer Caretaker**
Sir Eric Woodward School for the Disabled, Sydney, NSW
• Visited 1 lunch per week for a term interacting and supporting students during lunch hour

Nov 2015 - Dec 2015 **Door-to-Door Volunteer**
Salvation Army Red Shield Appeal, Sydney, NSW
• Operated on a door-to-door basis gathering donations for the Red Shield appeal

References Available on Request