

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

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| 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

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|--------------------------------|---|
| 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

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| 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 |
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- March – June 2025** **Embedded Systems Engineer**
[Nutromics](#), Brunswick, VIC
- 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**
[Norby](#), Windsor, VIC
- 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**
[No Sense Entertainment](#), Williamstown, VIC
- 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**
[St Hilda's College](#), Parkville, VIC
- 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**
- 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** **Highschool Achievements**
- First Aid Certificate
 - AMEB Grade 8 Saxophone Certificate

VOLUNTEER EXPERIENCE

- Jan 2021 - Dec 2021** **Volunteer Maths Tutor**
The Scott's College, Sydney, NSW
- 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