

Alexander Melocco

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Projects Portfolio/GitHub link: https://alexmelocco.github.io/alex_melocco/

Profile

Motivated and dedicated university student with a passion for personal growth and a proven history of dedication to all facets of work. Pursuing a Bachelor of Software Engineering (Honors) at UNSW, I possess a diverse background in professional, technical and academic endeavors, including being honored with the Premier's Award for all around excellence.

Worked as a backend engineer for a startup Tutor Match, developing a hybrid content-based filtering search algorithm allowing extreme personalization for parents and tutor pairing. Further employed at Talent 100 as a mentor and teacher, gaining valuable experience in fostering collaborative relationships, demonstrating my aptitude in leadership. I also dedicate my time to social impact within the community with involvements in volunteering and Enactus seeing me compete Melbourne's 2023 and 2024 national social impact competition. I am excited to hopefully both challenge and apply my skills and knowledge within all my future commitments.

Technical Skills

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|--|----------------------|--------------------|-----------------------|
| • Python | • Java | • C++/C. | • JavaScript |
| • CSS/HTML | • Socket Programming | • Web Development. | • Machine learning/AI |
| • Collaborative work experience (Gitlab, GitHub) | • MS applications | • Rust | |

Professional Experience

- **Tutor Match** Oct 2023 – Mar 2024
Backend software engineer at Tutor Match, a startup company aimed towards improving and providing free services to connect students and tutors. Designed and deployed hybrid content-based filtering search algorithm to improve and personalize student, tutor matches. Also responsible for backend architecture development. (tutormatch.com.au)
- **Talent 100** May 2022 – Current
Academic tutor and mentor for Talent 100
- **Enactus UNSW** Jan 2023 – Current
Events director for management, synthesis and hosting events for UNSW Enactus which is a society with a primary focus on entrepreneurial social impact and making positive worldwide change through real projects.
- **UNSW Microfinance Consulting Group** January 2022 – December 2022
Responsible for event's planning, synthesis, and execution with the goal of helping other students enter the realm of consulting.
- **Lime Seven** January 2022 – April 2022
Sales consultant at Lime Seven which is a marketing and sales company.

- **Australian Venue Co / Bungalow 8** April 2022 – November 2022
Bartender and beverage attendant
- **Art of Smart Education** May 2022 – December 2022
Academic tutor for Art of Smart
- **Knox Grammar School App Developer** 2020 – 2021
Responsible for interactive app development to allow cohort online coordination, and resource gatherer.
Worked in the advertisement, marketing and event planning for student led operations.

Education & Qualifications

- **UNSW (2022-current)**
 - Bachelor of Engineering (Honors)/Law
 - 2023 Enactus National Social Impact Competition finalist
- **Knox Grammar School (2012-2021)**
 - 99.30 ATAR
 - 2021 Silver Academic Award Knox
 - 2021 Prefect Leader
 - 2019 FED Debating Cup winner
 - 2019 Kokoda Trail Participant
 - Premier's award for all around excellence (2022)
 - 2021 Silver Co-curricular Award Knox
 - 2018 International Da Vinci Decathlon winner
 - Bronze Duke of Edinburgh award
 - Company Medic for Knox Cadet Unit
- **RSA/RCG Licensed**

References

- **Jennifer Kim – Head of Academic at Talent 100**
j.kim@talent-100.com.au
0432 608 855
- **David Nguyen – Student Services Manager at Talent 100**
d.nguyen@talent-100.com.au
0423 065 405

Additional Information

- **Cultural Experience:** Travel often, and challenge myself in various physical disciplines, including embarking on Kokoda Trail in Papua New Guinea, and touring Europe for a Da Vinci Decathlon Competition
- **Social impact and volunteering:** Proud advocate for volunteering and championing projects that directly affect social progression. **National Enactus Social Impact competition** saw me go to Melbourne to compete in presenting the most socially transformative plans. Actively volunteer within my community and work within non-profit teams that work to develop biodegradable prosthetics (**Enactus Prockets**). Also involved in **Tech4Impact** which is a collaboration with the African STEM Education Initiative that focuses on lack of Stem education in Uganda.
- **Software Projects:** Strong passion for projects. My current double major with law and software engineering comes from a genuine passion towards possible contribution to the modernization of law. Also passionate in self-development with projects such as Flower iris recognition.
- **Personal interest:** Avidly enjoy physical sports such as boxing and powerlifting. Also love reading.