



PROFILE

I am a third-year Bachelor of Biomedical Engineering (Honours) student at Flinders University, passionate about integrating technology with healthcare to enhance patient outcomes. My studies have provided a strong foundation in human physiology, medical instrumentation, and engineering principles. I actively participate in initiatives such as the Flinders University Biomechanics Research Program, which has strengthened my teamwork, communication, and research skills. I enjoy problem-solving, designing innovative solutions, and exploring emerging medical technologies. I am eager to gain hands-on experience in the biomedical field and contribute to the development and optimization of healthcare systems through internships and practical projects.

EMPLOYMENT

Teaching assistant

Kumon Magill Education Centre | Dec 2022- Aug 2023

Kumon Black Forest Education Centre | Jan 2024- April 2024

Kumon Enfield Education Centre | Oct 2025 – current

Skills Acquired:

- Mathematics & English: Guided students from higher year levels.
- Patience & Communication: explained all the concepts clearly to students and kept patience with slow learners.
- Problem solving: Helped children in overcoming the challenges.
- Time management: managed multiple students at once.
- Organization: organized student's homework and classwork.
- Mentoring: encouraged the students in developing motivation and confidence in their learning experience.

EDUCATION & ACHIEVEMENTS

Tertiary

Bachelor of Engineering (Biomedical) (Honours)

July 2023 - Present | Flinders University

GPA (current): 5

Key Subjects:

- Human Physiology & Structure
- Biomechanics
- Biomedical Instrumentation
- Sensors and actuators
- Engineering programming
- Signals and system
- Engineering mathematics
- Engineering Design (CAD)
- Mechanics & structure

Skills Acquired:

- Developed understanding in human body functions and got insights about how various medical instruments work.
- Acquired skills in writing programs in C coding and working components of Arduino.
- Learned basic programming principles using Python.
- Learned soldering using different techniques.
- Analyzed dynamic systems and signal behavior.
- Programmed microcontrollers in C to interface and control a range of sensors.

Secondary

July 2019 – November 2022 | Modbury High School

ATAR: 87

SACE Subjects:

- Math Methods
- Chemistry
- Physics
- Research Project
- EALD (English as additional language)

Award: Year 10 award for excellence performance in all subjects.

PROJECTS

- Soldered an Arduino board from scratch and used it to perform various tasks.
- Participated in the Engineers Without Borders (EWB) challenge as part of coursework and developed a prototype for an online platform.
- Created a wireless remote controller using Arduino.
- Built a Finger Splinter using CAD (Inventor).
- Designed optimized data structures and developed reliable transfer protocol for wearable Device

CERTIFICATES

VOLUNTEERING AND INTERSHIPS

- Volunteering as an assistant in the Flinders Biomechanics Research Program.
- Volunteering as a member in Elevation| Engineers Australia.
- Volunteered as topic representative in Engineering Mathematics.
- WIL Placement – FHMRI Sleep Health Unit

REFERENCES

1) Pepe Velasquez

Teacher at Flinders University (Director of MEDIPHOR)

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2) Nasser Asgari

Teacher at Flinders University

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