EMMA SCULLY

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🎓 EDUCATION

Bachelor of Electrical and Computer Systems Engineering & Bachelor of Biomedical Science | Monash University

2017 – 2021

Notable skills in MATLAB, Python, and C. Developed teamworking skills for engineering projects.

2017 & 2018 – Dean's list | GPA – 3.7 | WAM – 82

💼 EXPERIENCE

Engineering Summer Research Scholarship | Monash

2020 – 2021

Over the summer of 2020 / 2021 I worked with Dr. Yan Wong and the Monash Vision Group, shadowing them on their Bionic Vision program. I assisted with animal experiments and have learnt valuable skills in research and data analysis. My project consisted of creating a data analysis pipeline working with new brain-recording electrodes and developing an electrode-etching process

President | Society of Monash Electrical Engineers (SMEE)

2020 – 2021

As president of SMEE I am planning to run our annual robot building competition, a technical industry night and various social events. These events help students get involved at university, make friends, and develop their technical skills. Thus far, we have organized workshops to teach students how to use oscilloscopes as they may have missed practical skills due to online learning amidst COVID-19.

Healthcare Initiative Scholarship Program | Monash Young MedTech Innovators (MYMI)

2019 – 2020

I worked with MYMI to develop Project TARA (The Alfred Rehabilitation App). I developed wireframes, patient-need stories, and basic coding. The app is for patients who have just received a lung transplant and require in-depth management for their medication and rehabilitation program. This application has now been forwarded to a professional programmer to continue its development.

Tutor and Centre Manager | School of Academic Coaching

2017 – 2019

As a tutor I have helped many students feel more confident at school and achieve their academic goals. As a manager at SAC, I developed my organization and team management skills establishing effective communication protocols and implementing new processes into our system to manage data.

SKILLS

I have a passion for organization, efficiency and teamwork. I can code in MATLAB, JavaScript, C, Verilog and MIPS. I am a fast learner, eager to learn new things and super keen. I have a robust understanding of signal processing required in biomedical systems.

VOLUNTEERING

2019 SMEE Robot Building Competition

- Demonstrating and supervising teams
- Administrative tasks such as team allocation and scheduling
- Basic Arduino coding

Secretary & Third Year Rep for Society of Electrical Engineers, Monash University

As secretary for "SMEE", I ensured that the administrative responsibilities associated with a club are all up to date. I took minutes and was responsible for email correspondence.

2018 "Robogals" Monash Workshop with Keysborough College

- Working with a team of demonstrators to teach secondary school students
- Assisting with basic coding in Scratch

2014 Monash Special Development School

I volunteered at the Monash Special Development School Wheeler's Hill, helping students with learning disabilities. This included reading along with students, accompanying excursions and general classroom help.

REFEREES

My referees are available upon request, please email me at emmascully98@gmail.com.