**My Website**

Structure:

* About: Landing page (intro) declare that a summary is below -> about me page

From an early age I had an affection to the practice of medicine. Despite that it was what my parents pushed me to pursue in the first place, I quite enjoyed watching episodes of “House” often trying to diagnose and cure the patient on TV. Over the years, the fast-paced environment, critical thinking and problem solving associated with the life of a surgeon slowly started to become a part of my life during high school, fuelled by the dream to save lives as a neurosurgeon.

Fast forward to 2017: Elon Musk announces Neuralink – “An implantable brain computer!”. Initially the thought of such a device was insane and somewhat irresponsible to me, but then I got to thinking and researching, discovering the potential of such a device to impact humanity as a species. Then a thought struck: instead of saving a life a day, I could work hard and create technology to impact a generation of lives. Now fast forward a year later and I’m an undergraduate studying electrical and biomedical engineering at UNSW. To this day I’m fuelled by my goal to change the future of mankind, and impact humanity through BCI and neurotechnology.

* Portfolio: link to projects page
  + Bionic arm
  + Emotiv stuff
  + Neural stem -> up and coming
  + Illuminate-> up and coming
  + Honourable mention -> Hackathon
* Experience: Involvements and extra curriculars (timeline feature)-> link to experience
  + VDP
  + EIP
  + Heroes
  + Lab demo
  + Illuminate
  + Emotiv
* Contact: Link to CV and thanks -> documentation page

Welcome to my personal website. If you made it here, youre probably here to learn about who I am, my experience, projects or my skills and goals. So without further ado, allow me to introduce myself

Skills:

I’ve completed 3 years of University as of 2020, and each day I work hard to improve my skills in designing and programming electronics. I’ve gained many of my practical skills from my industrial training, internships and extra-curricular projects, and lately I have been intertwining these skills into my Uni courses, as well as applying the theory from Uni to the skills I’m developing.

Bionic Hand: Led a group of 8 students to create a fully functional 3D printed electromyographic(EMG) prosthetic arm. </p>

Emotiv board testers:

During my internship at EMOTIV research, I completed a joint project along with neuroscience and software teams to develop a test board for the PCB of an EEG headset. The device was required to send a signal through the board and monitor the filtering and output capabilities of the DUT.

Analog capacitance meter:

This was a project for the university course ELEC 3106 (Electronics), in which I was required to build a capacitance meter without the use of a microprocessor. The device I built was purely analog and was able to detect capacitances over 3 orders of magnitude.

Cochlear signal processing:

This was a project for the university course ELEC3104(Digital Signal Processing), In which I was required to simulate the filtering mechanism of the human cochlea using MATLAB. For this, I used a parallel filterbank model with 128 filters along with spatial differentiation to acquire an accurate model.\

Neustim:

Project to design a wireless neural stimulator that can be implanted on the surface of the cortex. My position in this group involves leading a sub team that is responsible for the overall circuit design as well as integration with mechanical and software teams.