

Franklin O'Sullivan

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Cover letter

Who am I?

I am in my third year of a Bachelor of Engineering (Honors) degree, specialising in Computer Systems Engineering at the University of Auckland. Since a young age, I have had a great interest in software development and electronics design. These were classes that I excelled in during high school and chose to pursue as extra-curricular activities. Even now, I continue to learn skills and frameworks not taught within my degree, simply for enjoyment and to see what I can achieve with them. I like to display some of these skills within my projects.

Many of these projects can be seen on my personal website. FranklinoSullivan.github.io

What do I know?

Computer Systems Engineering couples electronics and software engineering to teach an array of theoretical and practical skills related largely to computer architecture and embedded systems. Most notably, this includes teaching software development, including object-orientated programming, and using many different data structures and algorithms to solve given problems quickly and efficiently. As well as electronics design, specifically: circuit design, simulation, breadboard testing, PCB development and soldering. Along with this, there has been a focus on considerations such as power used/ wasted, learning design tricks and reducing noise throughout PCBs and other circuits.

What am I looking for?

I want to work in a position where I can further develop my understanding of software and firmware development. This is the part of the degree that I find the most enjoyable and have the majority of my extra-curricular experience in.

I hope to gain a position as an intern where I can do research and development work for a company while gaining support from senior developers who can show me how to solve problems efficiently and correctly. It would also be a massive bonus if this position allowed me to return for subsequent periods, allowing my skills to develop further in a familiar environment.