Michael Cowie

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I am currently in my final year (3rd Professional year) studying at University of Canterbury for a Bachelor of Engineering with honours, specialising in Software Engineering.

I am a proactive and hardworking student who strives to be at my full potential. I enjoy learning new things and facing new challenges. The major key attributes that I have is my friendly mood, communication and time management skills. I enjoy working in groups, meeting new people and helping others.

Academic Qualifications

BE(Hons) Software Engineering
University of Canterbury
Current GPA: 5.81
Expected Graduation: 2019

Technical Skills

- Python
- JavaScript
- SQL

- Java
- HTML/CSS
- Linux Shell

- C
- Node.js
- Git

Other Skills

- I am a skilled typist and have reached a peak of 132wpm
- Agile Software development

Experience

Tait Communications   *Junior Design Engineer*   20/11/2017 – 09/02/2018

I created a live audio streaming service using Python. This involved creating and sending audio file metadata, followed by streamed raw audio data. I was also responsible for creating the website that interfaced with the streaming service and played the received audio data.

Software development was not my only role during my internship. On the completion of my project, I presented the benefits of my project to clients from other companies. Interaction with stakeholders gave me proper insight into engineering professionalism.

Interests

- I consider myself a physically active person who often goes to the gym and participates in sports, my favourite being badminton.
- I have a growing interest in ethical hacking, finding exploits and vulnerabilities. Understanding vulnerabilities have changed the way I think when writing code and increased my understanding of systems.

I am a member of the following university clubs.

- BadmintonSoc, CompSoc, UCGG (University of Canterbury Gaming Guild)

Personal Projects

Personal Website

Writing algorithms and completing programming challenges are one of my many interests, but it is difficult my show solution to others. I have been working on my personal website because it is an easy and effective method of showing my skills and expressing my creativity.

GitHub

My GitHub account stores challenging questions that I have solved, some may have been challenges that I have created or have witnessed and attempted to solve myself.

My GitHub account also stores some personal notes that I have written for various programming languages. The style of notes I store can be advanced techniques or going back to the basics as a reminder for myself.