Jackson Ayling-Campbell

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About me

My name is Jackson Ayling-Campbell, and I am currently in my second year studying Software Engineering at the University of Auckland. Programming is one of my favourite pass-times; it's inherently rewarding as you can easily see the fruits of your labour, and it involves problem-solving. My biggest aspirations in life are to simply learn and be happy – I want to be one of the best at what I do, and I want to find joy in what I do. I think that being a software engineer will help me in achieving this, as I find it incredibly easy to motivate myself to program, and I also find programming very enjoyable. I haven't had any experience working in a commercial environment; thus I am looking for an internship over the summer holidays. I believe I can be a valuable asset to any team which I am a part of as I am an effective communicator and collaborator, and have also had experience with a wide variety of languages

Education

Auckland City, Auckland　　　　　*The University of Auckland*　　　　　*2018-Present*
- **Degree:** Bachelor of Engineering (Honours) in Software Engineering
- **Progress:** In second year, second semester
- **Results:**
  - First year overall GPA of 7.5,
  - Second year, first semester overall GPA of 8
- **Estimated time of completion:** End of 2021

Personal Projects (all can be seen on my website)

Advanced Raycasting Algorithm:
- Optimises the atypical raycasting algorithm to on average cast less rays
- Fundamental idea inspired by someone else's work, remaining theory and algorithm conceived by me
- Programmed in Javascript, with the use of the p5.js library for graphics rendering

Website:
- Repository for all my projects with working iterations
- Features a revolving navigator pane, programmed from scratch
- Programmed in HTML, CSS and Javascript

Skills

Languages:
- **Proficient:** Java, Javascript, HTML and CSS
- **Familiar:** React.js
- **Used in the past:** Matlab, C, C++, Python

Other
- Git and GitHub version control
- Asymptotic runtime analysis
- OOP design patterns and philosophies
- JavaFX and Swing
- RESTful APIs