

# Jason Xavier

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## Career Objective

I would like to be involved in **full-stack development**, as I love coding and would be eager to develop a wide range of skills.

I am a fan of everything to do with problem-solving and innovation and I appreciate clean, elegant, workable solutions. In line with this, I like working collaboratively and sharing knowledge and skills to explore different ideas.

## Skills Summary

### Problem Solving

I have strong problem-solving skills, which I have developed throughout my degree. As part of my internship, I was introduced to the charting library 'echarts-for-react'. I analysed the pitfalls in the framework and created a complementary library to ease development. After being adopted by our team, we **doubled** our chart production capabilities.

### Documentation

I have always placed a strong emphasis on writing readable, workable code. My focus on this allowed me to resurrect year old projects and upgrade them with the knowledge that I gained from my degree. An example of this are my Snake programs. I used my knowledge of **algorithm design**, **OOP**, and **SOLID** principles to evolve it into a modular, reusable, and resource efficient design which I have successfully implemented in both **JavaScript** and **C**.

### Well organised

I have faced several major setbacks, from having covid-19, to managing the commitments of my job. To stay on top of things, I researched and implemented several time management strategies. I currently maintain a high GPA and am well regarded by my employers.

## Experience Summary

### Software Engineer Intern – SMX Email Cyber Security Experts

November 2022 – February 2023

### Software Development Team – Microsoft Student Accelerator New Zealand

April 2023 - Current

### ECSE Part II Assistance Centre Mentor – The University of Auckland

Feb 2023 - Current

## Education

### **Bachelor of Engineering (Honours) in Software Engineering**

2021 - 2024

University of Auckland

- GPA: **8.0 (A average)**
- Dean's Honours List 2022 - **Top 5%** of Engineering Students
- Dean's Honours List 2021 - **Top 5%** of Engineering Students

## Detailed Experience

### **Software Engineer Intern – SMX Email Cyber Security Experts**

- Worked in a team of 3 to make client-facing data analytics platform
- Ran weekly company-wide demos and incorporated feedback from key stakeholders and board executives

### **Software Development Team – Microsoft Student Accelerator New Zealand**

- Curated a week-long curriculum, used by **150** students, to learn front-end web development
- Ran weekly office hours to help students complete a full stack web development project

### **ECSE Part II Assistance Centre Mentor – The University of Auckland**

- Provided mentoring to students entering their second year of Electrical, Computer, and Software Engineering.

## Technical Skills

### **JavaScript**

- Gained extensive experience in JavaScript throughout my internship. Implemented production level code using the language, and related frameworks (Typescript, React, NodeJS)

### **Java**

- Gained experience in Java through objected orientated design for several university projects.

Other languages I have used: Python, C, MATLAB and AHK.

## Project Experience

### Echarts Options

<https://github.com/jxav22/EchartsOptions>

- A simple library for creating the options object for an 'echarts-for-react' component.
- Allowed my internship team to **double** our chart production capacities.

### Snake

<https://github.com/jxav22/Snake>

- A recreation of the classic game of snake for a MAX7219 LED dot matrix.
- My focus was on writing clean, understandable, workable code with extensive documentation.

## Interests

I have a love for drawing and enjoy making pencil renditions of wildlife photography. I also play a lot of board games; my current favourite is "7 wonders duel".

## References

References available on request