Callum Sullivan

Resume

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Github - SullyJR (https://github.com/SullyJR)
Portfolio - callumsullivan.dev

CAREER OBJECTIVE

I'm Callum and I'm searching for a full-stack software development role. I love coding and trying to find elegant and efficient solutions to problems that naturally arise with any project. I enjoy working in a team environment with the ability to brainstorm together but I am also happy to work efficiently by myself. My passion for software and technology continues to grow throughout my career and I don't expect this to stop anytime soon. If I'm not typing away on my keyboard you'd probably find me exploring my hobbies, including snowboarding, running, scuba diving, and gaming.

SKILLS SUMMARY

Development
For a university project, I developed a full-stack web application showcasing New Zealand's bird wildlife. I created a responsive front-end interface, implemented a backend API, and integrated a database to store and retrieve bird information. This project improved my skills in full-stack development, including front-end design, API creation, and database management. The resulting application allowed users to easily explore and learn about New Zealand's diverse bird species.

Problem-Solving
My logical thinking has been beneficial in my academic work. I've approached various complex problems by breaking them down into smaller, manageable parts. In one assignment, my teammate and I developed a recursive solution to a challenging problem. We analysed the issue step-by-step and gradually improved our algorithm until we found an effective solution. This experience enhanced my problem-solving skills and ability to work collaboratively.

Communication
At the Northland Hospice Shop, I worked as an online product seller, interacting with various people including hospice employees, volunteers, courier drivers, and customers. I had to adapt my communication style to effectively convey information about products, coordinate deliveries, and work with the team. This experience improved my ability to communicate clearly with different audiences in a professional setting.

Learning
In my Computer Science studies and previous experience, I've shown an ability to quickly grasp new concepts as they are shown to me. When introduced to Python, I was able to pick up the syntax and language structure very quickly with the help of lectures and personal research. For example, I learned how to implement simple machine-learning algorithms for an

Assignment in an AI paper. This experience has helped me adapt to new programming challenges more easily.

EXPERIENCE SUMMARY

Software Validation - AI Training - Online Freelance   **2024 - Pres.**

Online Sales Manager - Whangārei Hospice Shop   **2023 - 2024**

Warehouse Fruit Packager - Golden Mile Fruit Packers   **2022 - 2023**

Food Delivery Driver - Deliver Easy   **2021 - 2022**

Math Tutor - Math Matters   **2021 - 2022**

EDUCATION

BSc (Computer Science) - University of Otago   **2022 - Current**
(Graduating 2024)

DETAILED EXPERIENCE

Software Validation - AI Training - Online Freelance   **2024 - Pres.**

Develop and implement code solutions to support AI training and data annotation processes, ensuring high-quality data outputs for machine learning models. Contribute to developing AI models by providing clean, well-structured, and accurately labelled training data.

- Skills - Coding, Data Annotation, AI Training, Debugging

Online Sales Manager - Whangārei Hospice Shop   **2023 - 2024**

Managed the online sales of goods at the North Haven Hospice Shop in Whangarei. Items were sold through Trademe and Facebook Marketplace. Tasks included photographing items, producing well-written enticing descriptions, arranging the shipment of sold goods, and liaising with staff and customers as needed.

- **Skills** - Copywriting, photography, communication, problem-solving
- **Achievements -** Increased the online revenue for the store

Warehouse Fruit Packager - Golden Mile Fruit Packers   **2022 - 2023**

This job involved a fast-paced environment, packing fruit efficiently as it was delivered on the conveyor belt to be exported overseas.

Math Tutor - Math Matters   **2021 - 2022**

I tutored multiple high school students in NCEA mathematics in an encouraging environment.

- **Skills** - Active listening, communication

TECHNICAL SKILLS

Java
- Learnt object-oriented programming by developing a lightweight image editor in a team of 4, I implemented classes and algorithms to apply filters to the images.
- Continue to use Java for assignments in my academic career where needed

SQL
- Developed a full-stack web application for users to view NZ birds which required creating and implementing a database schema and writing various CRUD statements for the Express API to alter the database from the web server.
- Gained an understanding of how to create a normalised relational database with relevant primary and foreign key constraints by developing a simplified mock e-commerce store.

Python
- Understood how to train AI agent models by implementing behaviour algorithms for them in Python

Other languages I have used: Javascript, C++, C, R, HTML, CSS

PROJECTS

Flat Budget Tracker   **2024**

I was involved in a pair programming assignment in which we built a full-stack web application for tracking bills and expenses inside a flat. The applications allows tenants to add bills to their dashboard aswell as property managers to assign bills from the admin dashboard. I was responsible for creating API endpoints to connect the front end with the database aswell as various logic and aesthetics for the application

Key tools/skills
- Node Js, Express, MySQL

C++ Terminal Game Project   **2024**

Built a C++ terminal game in a group of 4. This project taught me the ins and outs of working in a larger team. We engage in weekly group meetings dividing work efficiently, employing skills like git and continuous integration to keep the project moving forward.

Key tools/skills
- C++, Git, CI