

# Jackson Fontaine

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## Education

### University of Auckland

2023-current

*Bachelor of Science ~ Double Major in Computer Science and Mathematics*

*Auckland, NZ*

- 2024 GPA: 8.67 | Overall GPA: 8.23 (High Distinction)
- Top Achiever Scholarship, Auckland University School Leavers
- Blue's Award Nominee and Winner - Sports

### Christchurch Boys' Highschool

2018-2022

*Excellence endorsed levels 1, 2, 3*

*Christchurch, NZ*

- Proxime Accessit, Deputy Head Boy, Student Executive Leader, International Committee
- Won the Level 3 Calculus and Digital Tech subjects prizes in Year 12
- In Year 13, also attended the University of Canterbury: A+ in 45 points worth of courses

## Experience

### Frontend Web Developer

Jan 2025 - March 2025

*Strive Digital - Internship*

*Christchurch, NZ*

- Utilizing React, Git, Gatsby, GraphQL, and DatoCMS
- Working remotely, designing the frontend of an interactive team roster page
- Updated the homepage, created a sponsor ticker, and created components in the CMS

### Teacher's Assistant, Computer Science Department

July 2024 - June 2025

*The University of Auckland*

*Auckland, NZ*

- Lab Assistant for Principles of Programming and Introduction to Software Fundamentals
- Completed and provided feedback on weekly Python assignments for the department
- Provided personalised one-on-one guidance and feedback to students in their lab sessions

### Cambridge Mathematics Tutor

2020 - 2022

*Christchurch Boys' High School*

*Christchurch, NZ*

- A business opportunity I took advantage of in year 11: a lack of support for Cambridge students
- Eventually, I tutored 10+ students concurrently for IGCSE Mathematics
- Held multiple after-school sessions each week, and held pre-exam prep summer camps

## Projects

### [\(view\)](#) Naive Bayes ML Project Classifier | Python, Jupyter, sklearn

May 225 - June 2025

- Trained, validated, and tested a model to classify different project focuses. Used various methods such as cross-fold validation, Laplace smoothing and n-grams to achieve 98.1% test accuracy.

### [\(view\)](#) Portfolio Website | React, CSS, JavaScript

Jan 2025 - Feb 2025

- Utilising React framework to create a portfolio to display projects and information
- Utilised CSS animations and transitions to create engaging visual effects and smooth interactions

### [\(view\)](#) Sign Company Database | SQLite, C#, .NET, Swagger

July 2024 - Aug 2024

- Project created for CS335 course to manage a Signage Company's backend
- Created 8 endpoints with varying functions: Managing comments, events, and sign info

## Skills

Soft Skills: Problem-Solving, Teamwork, Communication, Time Management, Leadership

Technical: Java, Javascript, Python, HTML/CSS, C#, React, SQLite, GraphQL, Git

## Interests

Ice hockey is one of my largest passions. I have played for 15+ years, and am currently representing New Zealand. I competed in Bulgaria twice in 2024, for the NZ U20s and the NZ Mens' respectively. I train roughly 6 times a week, whether that's in the gym or on the ice. Another way I stay active is with running, where I recently trained for and completed a half marathon. Connections with other people are very important to me, so I make a point of hanging out with friends and family often. Oh, and I love dogs!

## References

I am happy to provide references upon request