

Jackson Fontaine

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Education

University of Auckland – Penultimate Year

2023–current

Bachelor of Science (Hons) ~ Double Major in Computer Science and Mathematics

Auckland, NZ

- 2024 GPA: 8.67 | Overall GPA: 8.24 (A / High Distinction average)
- 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

- Deputy Head Boy, Proxime Accessit, Student Executive Leader, International Committee
- Won the Level 3 Calculus and Digital Technologies subject 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 Classifier | Python, Jupyter, sklearn

May 2025 – 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.
- Built a simple frontend using React, and connected it via FastAPI to serve real-time predictions.



[\(view\)](#) 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



[\(view\)](#) Newton | Unity, C#, Blender

April 2021 – Now

- Built a first-person puzzle game in Unity centered on gravity mechanics, implementing custom physics systems and gameplay logic to challenge players' problem-solving skills.
- Created and integrated 3D models, animations, and materials in Blender and Unity

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!

I am happy to provide references upon request