



Ethan James

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SOFTWARE DEVELOPER

Results driven **Software Engineering student** in their penultimate year **with 2 years of experience** designing **Java, Python, and web applications**. Proven ability to design data driven software that **solves interesting business problems** in an efficient way, and to **go the extra mile in development**. Available for work between November 2025, and March 2026.

Technical Excellence: Highly proficient in **Java, Python, JavaScript, and SQL**.

Impact-Driven Development: Developed an **API-mediated** web application that has helped **over 50 university students** catch up on missed university lectures. **Automated internship opportunity search** through the development of a "Internship Web Scraper" Python application making internship opportunity search **over 10x faster**.

Seeking a software engineering internship to apply my technical skills in a real work environment. I believe university is **too theoretical for Computer Science**, and I wish there was more practical work, so I have a **strong desire** to improve my technical skills at an internship. Having explored numerous sub-topics of computer science, I believe I **can learn anything**.

As a hobby, I am a **passionate sportsman** with a history of racing competitively for athletics, triathlon, and rowing. In my spare time, I developed a simulator using Java to see **what races between me, and the best athletes** would look like **out of interest**.

EDUCATION

University of Otago, NZ

Bachelor of Science with Software Engineering Major,
and Computational Modelling Minor

Grade: **8.1 GPA**

- **Concentrations:** Software Development Using Java
- **Related Coursework:** Java Programming, Collaborative Software Development, Web Application Development, Software Development Methodologies

Dunedin, Otago

Expected Graduation, December 2026

EXPERIENCE

Software Engineer

Jul 2025 - Pres

R2M Fitness Nelson

- Currently developing an alternative website design **for R2M Fitness in Nelson** with the goal of **improving their monthly revenue** through an **increased online presence** in the gym industry
- **Communicating weekly progress** with the owner to adjust the website based on **user feedback**
- **Tech Stack:** HTML, CSS, JavaScript, Server Hosting, DNS Configuration

Software Tester

Feb 2025 - Pres

uTest - Remote

- Discovered a high severity bug **for Soft2Bet, and F1TV** that was approved by moderators as important enough **to fix desperately**
- Participated **in over 10** software test cycles

Freelance Python Developer

Dec 2024 - Pres

ongoing

- Automated **internship opportunity search** through the development of a "Internship Web Scraper" application making internship opportunity search **over 10x faster**
- Built a **random forests machine learning model** that can predict whether a car is road safe **with 97% accuracy on test data**
- **Tech Stack:** Python, Scikit-Learn, Pandas, Selenium, Beautiful Soup

SKILLS

- **Programming:** Java, Python, JavaScript, OOP
- **Data Science:** SQL (Postgres), Python (Pandas, Scikit-Learn)
- **Testing:** Software Testing, End-To-End Testing, Test Driven Development
- **Web Development:** HTML, CSS, Node.js, Express.js, Passport.js, OAuth, APIs
- **Development Tools:** VS Code, Git
- **Software Development Practices:** REST API Development, Don't Repeat Yourself, Teamwork

KEY PROJECTS

Internship Web Scraper

Jun 2025 - Pres

- Automated **internship opportunity search** through the development of a “Internship Web Scraper” Python application making internship opportunity search **over 10x faster**
- Learnt through this experience that **development requires patience**, I initially rushed an outcome with this project, and it was no good. I took a step back, and made a far better web scraper **by taking things step-by-step**.
- **Tech Stack:** Python, Selenium, Beautiful Soup, Tkinter

ANDIE (A Non Destructive Image Editor)

Feb 2025 - Pres

- Collaboratively developed image editor application where my main responsibilities were setting up the CI pipeline **improving development productivity by over 20%**
- Learnt **how to navigate difficult co-workers** with this experience, and that you should communicate all of your actions as this makes **group work flow smoothly**
- **Tech Stack:** Java, Swing, Continuous Integration, Git, GitHub, Docker

• Lecture Cram Planner

Nov 2024 - Pres

- Developed a web application that has helped **over 50 university students** catch up on lectures by having the application generate **custom catch-up timetables** for them
- Learnt from this project that **development struggle should be exciting** as this is where growth is made both from **learning a new skill**, and true happiness as this feeling does not exist without **first overcoming struggle**.
- **Tech Stack:** HTML, CSS, JavaScript, SQL, Git, GitHub