



Ethan James

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SOFTWARE ENGINEERING STUDENT

Results driven **Software Engineering student** in their penultimate year **with 2 years of experience** designing **Java, and Python applications**. Proven ability to design software that **automates manual tasks** in an efficient way. Available for work between November 2025, and March 2026.

Technical Excellence: Highly proficient in **Java, Python, and Full Stack Web Development**

Impact-Driven Development: Developed a **cloud-based** web application that has helped **over 50 university students** catch up on missed university lectures. Created a Python application that **automates internship opportunity search** by scraping Bing for opportunities from various companies which has made internship search **over 5x faster**.

Seeking a Technology 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.

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:** Data Structures and Algorithms, Cloud Computing, Technology Operations, Security, Data Analysis

Dunedin, Otago

Expected Graduation, December 2026

EXPERIENCE

Software Tester
uTest

Feb 2025 - Pres

- 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

University of Otago

Mar 2025 - Pres

Disability & Information Services Notetaker

- Produced over **70 detailed note summaries** to aid in the learning of students struggling with a disability at university
- Produced note summaries for **"Algorithms & Data Structures", "HCI & User Experience", and "Web, Databases and Networks"** university papers

Freelance Python Developer
ongoing

Feb 2024 - Pres

- 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
- **Database Management:** SQL (PostgreSQL)
- **Data Analysis:** Machine Learning, Pandas, Data Modelling
- **Web Development:** HTML, CSS, Node.js, Express.js, Passport.js, OAuth
- **Development Tools:** VS Code, Git
- **Software Development Practices:** REST API Development, Don't Repeat Yourself, Predictive and Adaptive Methodologies

KEY PROJECTS

Internship Web Scraper

Jun 2025 - Pres

- Automated **internship opportunity search** through the development of a "Internship Web Scraper" 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, BeautifulSoup, 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 darkness**
- **Tech Stack:** HTML, CSS, JavaScript, SQL, Git, GitHub