

Rachel Coxhead

Software developer recently graduated from AUT. I have experience in both backend and frontend development. I am passionate about coding and design work, especially in the frontend.

EXPERIENCE

University of Auckland — *Research Assistant*

MAY 2024 - PRESENT

In this role I act as technical support. Day-to-day tasks include developing and maintaining Python scripts to extract data from websites relevant to research projects.

Atomic.io — *SDK Engineer Intern*

JAN 2024 - MAR 2024

In this role I completed my internship working with a web SDK built in Typescript Preact. My responsibilities included analysing and fulfilling client feedback, writing, testing and debugging system code, and maintaining client-facing documentation.

University of Auckland — *Student Mentor*

JAN 2019 - DEC 2019

In this role I mentored 30 first year international science students. I kept weekly contact with the mentees and supported them through their first year at university.

ThinkPod Consulting — *Pro-Bono Consultant*

AUG 2019 - NOV 2019

I worked with an interdisciplinary team of five as a business consultant to a non-profit organisation. We researched and wrote a feasibility report on the viability of their proposed business plans. In this role, I learned how to collaborate effectively with a team that embraced diverse perspectives, harnessing our differences as an asset rather than an obstacle.

EDUCATION

University of Auckland — *Bachelor of Science*

FEB 2018 - MAY 2023

Auckland University of Auckland — *Bachelor of Computer and Information Sciences*

FEB 2021 - DEC 2023

PROJECTS

Chaos Engineering App (Chaotic)

This project saw me collaborating in an Agile team of five to plan, design, develop, test, and deliver a real-time multiplayer installable web app. It was built using React, and the backend utilises a NoSQL cloud database, WebSockets, and the ChatGPT API. Our client was based in Wellington, so I also learnt how to effectively work remotely with key stakeholders.

TaskFlow App

I was a member of a four-person team working on the TaskFlow app. This is a .NET MAUI Android app aiming to consolidate various popular productivity techniques into a single tool.

Software Practice Empirical Evidence Database (SPEED)

I worked in a team of four developing a full-stack web application with a TypeScript Next.js frontend and Nest.js backend. We used MongoDB for data storage, and the application was hosted on Vercel. Alongside working as a developer I was also the Scrum Master.

LinkedIn:

<https://www.linkedin.com/in/rachel-coxhead/>

Github:

<https://github.com/lthrendrial>

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SKILLS

JavaScript/TypeScript

Web App Frameworks (React, Express.js)

Java

Python

Version Control (Git)

Databases (SQL & NoSQL)

Agile Workflow

Linux/Unix/Bash Scripting

AWARDS

Babcock Women in Technology

Cup - Awarded to the most outstanding female undergraduate.

Mathematics Education

Technology Prize - Recognises the student who has made the most significant contribution to understanding the use of technology in the teaching and/or learning of mathematics.

LANGUAGES

English, New Zealand Sign Language (NZSL)

REFERENCES

References are available on request.