

Alexander McLeod

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Objective

- Excited to get involved on a team project and develop a cloud native full stack app with source control, testing, documentation and CI/CD pipelines, that delivers value to community. I am enthusiastic to grow my technical skills, as well as engage new ideas, discover new approaches, and add to culture and community spirit.

Education

BACHELOR OF SCIENCE | EXPECTED 2024 | UNIVERSITY OF AUCKLAND

- Major: Computer Science
- GPA: 8.25 (A/A⁺)

Skills & Abilities

COMMUNICATION

- Interviewed thousands of clients and customers and built friendly rapport and relationships, receiving consistently positive feedback and commendations from customers and other staff.
- Used Microsoft Teams, emails and other tools for communicating and collaborating with coworkers, supervisors, and managers within corporate tech role.

TYPESCRIPT

- Deployed entirely custom portfolio website, built with the react-styled framework Solid in Typescript with personally designed styling and layout, onto cloud hosting platform Netlify.
- Produced lightweight but feature heavy Caesar Cipher translation desktop app with Electron, Typescript, Next, and Google's Material UI component library. Used practically in multiple courses, to quickly answer assignment questions.

RUST

- Implemented Turing Machine in a Rust library with a bidirectional linked list using the resource efficient iterator design pattern. Used source control, wrote documentation, and added unit and integration testing into development pipeline.
- Created scheduling application for secondary schools, that sorts students into subjects, classrooms, and time slots with teachers, simplifying a traditionally 3-month manual task into an instant automatic task with significantly fewer scheduling conflicts. Delivering consequential value in terms of time, accuracy, and money to many. Used source control, wrote documentation, and added unit and integration testing into development pipeline.

Experience

MARKET RESEARCH ASSOCIATE | ONE PICTURE | JUN 2022 TO NOV 2022

- Interviewed key customers and clients, including business executives for large companies and enterprises such as Seeka and Zespri, following strict guidelines for data governance, privacy and maintaining statistical validity for market research.
- Developed professional relationships with team members, supervisors, and managers. Attended networking and culture building company events.
- Delivered value to the community with contributions on important social projects, such as interviewing customers and entering customer data for Auckland Transport, Metlink, and the Greater Wellington Regional Council, to improve accessibility and mobility within our local community.