HARRISON LEACH

Software Engineering Student

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🐙 github.com/HarrisonLeach1   📍 Auckland, NZ

EDUCATION

BE (Hons) in Software Engineering

The University of Auckland

📅 Feb 2017 – Nov 2020

- 2019, 2018 and 2017 UoA Deans Honours List
- Received UoA Maori Academic Excellence Scholarship
- Have received the First in Course award for the following 6 courses:
  - 2019 S2 - SOFTENG325 - Software Architecture,
  - 2019 S2 - COMPSCI367 - Artificial Intelligence,
  - 2019 S2 - SOFTENG306 - Software Engineering Design 2
  - 2019 S1 - SOFTENG351 - Database Systems,
  - 2019 S1 - SOFTENG364 - Computer Networks
  - 2018 S1 - ENGSCI213 - Mathematical Modelling 2SE

GPA: 8.8/9.0

PROJECTS

Workout Tracker - iOS/Android App

I created this app because I enjoy exercising and wanted full control in analysing my workout data. I also built it to learn new technologies such as **GraphQL**, **Apollo**, and **AWS Amplify**. Other technologies used include **React Native** using React hooks, and **TypeScript**.

Sunny Town - Web Game

I was co-leader of a team of 8 for this group project. It involved developing a web-based serious game aimed at promoting Climate Change awareness. Designed for children in intermediate school years (aged 12-13). Built with **Unity** and **C#**. Hosted on **AWS S3**.

Task Scheduler

This project involved using artificial intelligence (AI) and parallel processing power to solve an NP-Hard scheduling problem. Built with **Java**. Our team achieved first in class for fastest sequential execution.

EXPERIENCE

Software Developer Intern

Nintex

📅 Nov 2019 – Feb 2020   📍 Auckland, NZ

- Full-stack development of new features using React, TypeScript and .NET Core
- Cloud Development using AWS and Azure
- Agile development using Scrum

Nintex Promapp

📅 Nov 2018 – Feb 2019   📍 Auckland, NZ

- Configured basic AWS EC2, Lambda (Node.js), S3, IAM and SNS via Terraform
- Implemented back-end improvements using C#, .NET Framework, ASP.NET MVC, Entity Framework, and SQL Server
- Designed testable code, wrote unit tests using NUnit and Moq
- Experience with dependency injection frameworks - Autofac

PERSONAL STATEMENT

I am a fourth and final year software engineering student wanting to develop new skills quickly. My career goal is to become a full-stack software engineer developing web and/or mobile applications that make peoples lives easier.

SKILLS

I am confident with:

React   TypeScript   GraphQL
C#/.NET   Java   JavaScript   Node.js
Git   Bash   SQL

I have experience with:

Terraform   AWS   Azure

VOLUNTEERING

⭐ **Summer of Tech**
Manning the summer of tech stall at career fairs. Sharing my experience with other students.

👥 **UoA Volunteers Club**
Helped out in events such as the Auckland Rescue Helicopter trust open-day.

OTHER ACTIVITIES

⭐ **SoT Create Camp 2019 (Hackathon)**
My team 'Good To Go', were the winners of the UI/UX & Process Excellence prize.

REFEREES

Available on Request