

CHASE ROBERTSON

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PROFILE

Beginning the final year of a Master of Data Science at the University of Auckland, with a recent focus on distributed statistical computing and machine learning. Also communicating complex technical concepts to burgeoning programmers as a Graduate Teaching Assistant for Computer Science courses. In the short term, looking to continue building skills in data engineering, machine learning, devops, visualisation, and insight-extraction. In the long term, hoping to make a significant contribution to the technical challenges inherent to understanding and solving the world's most pressing social issues.

TECHNICAL SKILLS

Data Ops: Automation of the data lifecycle via UNIX shell (bash), Powershell, and Google Apps Script.

Data Analysis: Turning data into insight with SQL, Hadoop, Hive, R, SparkR, and Python.

Data Visualisation: Sharing immediate insights via R graphics, ggplot2, or matplotlib in Python.

Software Engineering: Designing and implementing, and testing software in Python, Java, C++, etc.

Statistical Analysis: Making inferences from quantitative evidence via hypothesis testing and modelling.

Machine Learning Ops: Simplifying the management of machine learning workflows and deployment via Terraform, CI/CD, and AWS Sagemaker.

RELEVANT EXPERIENCE

Graduate Teaching Assistant at The University of Auckland **02/2022 - Present**

Graduate Teaching Assistant for introductory COMPSCI courses. Lead tutorial sessions, assist students with lab work, and proofread course and exam materials.

Machine Learning Ops Intern at Cognizant NZ **11/2022 - 02/2023**

Building out a secure environment for Data Science and Machine Learning workflows. Network, database, applications, serverless tools, and machine learning workflows deployed to AWS via Terraform.

Systems Administrator at Lucid Software **02/2021 - 07/2021**

Mainly focused on migration of Jira Software on-prem to Cloud. Also worked on internal identity system integrations, fleet management, and mentoring of fellow team members. Work included bash and Python scripting, ad-hoc data analysis, and project management.

IT Helpdesk / IT Specialist II at Lucid Software

09/2018 - 02/2021

Administered physical technology stack for company of about 800 employees, including Mac/Windows/Linux workstations, conference room A/V devices, and office network. Work included core switch and wireless access point administration, workstation provisioning automation, and software administration for company-wide tools like Zoom and Jira Software. Helpdesk work included hands-on hardware repair and installation, workstation provisioning, and ad-hoc scripting for internal tasks.

EDUCATION

Master of Data Science

Expected Graduation 11/2023

University of Auckland

Auckland, NZ

Bachelor of Science in Computer Science

01/2014 - 05/2018

Brigham Young University

Utah, USA

CERTIFICATION

Terraform Associate 002

01/2023 - 01/2025

CompTIA A+

05/2019 - 05/2022

INTERESTS

Personal interests include applied ethics, artificial intelligence, evolutionary psychology, political economy and history, and sustainability. I also enjoy programming puzzles, playing ice hockey, running, cooking, and long walks in nature. I have lived in the Western U.S., the Jiangsu Province of China, various places in Central/South America - and have visited every habitable continent. Variety is the spice of life!

REFERENCES

Alan Reeves-Fortney

Senior Information Technology Manager at Lucid Software

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Alan was my manager at Lucid Software from 2019 to 2021.

Ann Cameron

Professional Teaching Fellow at UoA Faculty of Science

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Ann is the course coordinator for intro COMPSCI courses and can attest to my work as a tutor.