CHASE ROBERTSON

Auckland, NZ ◇ Mobile: +64 022 695 5126

chaserobertson208@gmail.com ◇ chaserobertson.github.io ◇ linkedin.com/in/chase-robertson

PROFILE

Finishing up 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, and contributing to R Journal publications and infrastructure as a Research Assistant. In the short term, I am looking to continue building skills in data engineering, machine learning, devops, visualisation, and data analysis. In the long term, I am hoping to make a significant contribution to the technical challenges inherent in 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, and seaborn/matplotlib in Python.

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

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

Machine Learning Ops: Simplifying machine learning workflow management via Terraform, CI/CD, and AWS Sagemaker.

RELEVANT EXPERIENCE

Research Assistant at The University of Auckland 07/2023 - Present

Proofreading academic articles and maintaining technical infrastructure for The R Journal.

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

Built 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 800 employees, including Mac/Windows/Linux workstations, conference room A/V devices, and office network. Work included hardware maintenance, network administration, automation, and software administration for company-wide tools including Zoom and Jira Software.

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

+1 (650) 248-2702 — arf@lucidchart.com

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

Ann Cameron

Professional Teaching Fellow at UoA Faculty of Science

+64 9 923 4947 — a.cameron@auckland.ac.nz

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