

CHASE ROBERTSON

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PROFILE

Having completed a Master of Data Science at the University of Auckland, I'm confident in my skills and ready for greater challenges. My work at the university included an industry-partnership thesis project studying time-series forecasting of electricity demand in areas with significant behind-the-meter photovoltaic solar panel installations. I'm quite proud to note that this work was supervised by a member of the R Core Team at the academic home of the R language. Through my degree, I also practiced supporting the development of burgeoning developers as a Graduate Teaching Assistant for both Statistics and Computer Science courses. I continue to serve as a Research Assistant for The R Journal, proofreading journal articles and improving article submission process automations. I am looking to continue building my skills, further engage in technical and professional mentorship, and contribute to solving real problems.

EDUCATION

Master of Data Science

Nov 2023

The University of Auckland

Auckland NZ

Bachelor of Science in Computer Science

May 2018

Brigham Young University

Provo, Utah USA

RELEVANT EXPERIENCE

The University of Auckland

Research Assistant

Jul 2023 - Present

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

Graduate Teaching Assistant

Feb 2022 - Nov 2023

Graduate Teaching Assistant for both introductory Computer Science courses and advanced Data Science courses. I lead tutorial sessions, assisted students with lab work, and proofread course and exam materials.

Cognizant NZ

Machine Learning Ops Intern

Nov 2022 - Feb 2023

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

Lucid Software

Systems Administrator

Feb 2021 - Jul 2021

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

IT Specialist II

Feb 2020 - Feb 2021

Work included hardware maintenance, network administration, operations automation, software administration, and technical support for company-wide tools including Active Directory, Okta, Zoom and Jira Software.

IT Helpdesk Technician

Sept 2018 - Feb 2020

Provisioned and administered the physical technology stack for a rapid-growth company with 300-700 employees, including Mac/Windows/Linux workstations, conference room A/V devices, and office network.

TECHNICAL SKILLS

Data Processing: Efficient automation of the data lifecycle via bash, Powershell, and Google Apps Script.

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

Data Visualisation: Sharing immediate insights via R graphics, ggplot2, seaborn, matplotlib, and plotly.

Statistical Analysis: Interpret evidence via Bayesian inference, hypothesis testing, and regression modeling.

Machine Learning Ops: ML workflow management via Terraform, CI/CD tools, and AWS Sagemaker.

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

CERTIFICATIONS

Terraform Associate 002

Jan 2023

CompTIA A+

May 2019

INTERESTS

My personal interests include applied ethics, evolutionary psychology, political economy and history, and sustainability. I'm also a sportsman and enjoy playing ice hockey, running, yoga, and various wilderness activities. I dabble in a bit of entertaining, pseudo-competitive seasonal programming [puzzles](#). I have lived in China, [Central/South America](#), and Aotearoa New Zealand, and have travelled through every habitable continent. Variety is the spice of life!