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 prediction 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 of 400-¿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!