# CHASE ROBERTSON

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## PROFILE

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

## TECHNICAL SKILLS

**Data Management**

Automation of the data lifecycle via Google Apps Script, bash scripts, and Powershell.

**Data Analysis**

Turning tabular data into insight with SQL, the tidyverse package in R, and pandas in Python.

**Data Visualisation**

Sharing immediate insights via ggplot, base R graphics, or matplotlib in Python.

**Software Engineering**

Designing, implementing, and testing software programs and packages in Python, Java, C++, etc.

**Statistical Analysis**

Making inferences based on quantitative evidence via hypothesis testing and regression modeling.

## 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.

**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 Specialist II at Lucid Software**                                    02/2020 - 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.

**IT Helpdesk Technician at Lucid Software**                              09/2018 - 02/2019

Managed daily IT operations including new employee on-boarding, event support, documentation, process improvement, and general troubleshooting. 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*

## INTERESTS

Interests include applied utilitarian ethics, rationalism, philosophy of artificial intelligence, evolutionary psychology, political economy and history, comparative religion, and sustainability. I also enjoy programming puzzles, playing ice hockey, running, cooking, and long walks in nature. In bygone days I have also dabbled in van-life, rugby, ultimate frisbee, pole vaulting, backpacking, fly fishing, yoga, drumming, singing, building, motorcycling and related mechanics, and long bouts of travel. I have lived in the Western US; Jiangsu Province, China; and 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

arf@lucidchart.com

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.