

# CHASE ROBERTSON

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## PROFILE

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In the penultimate 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 introductory Computer Science courses. In the short term, looking to continue building skills in data engineering, algorithms, 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 social issues, especially in regard to global health and poverty.

## TECHNICAL SKILLS

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### Data Management

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

### Data Analysis

Turning data into insight with SQL, Hadoop+Hive, R (tidyverse, SparkR), and Python (pandas).

### Data Visualisation

Sharing immediate insights via R graphics, ggplot2, 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 modelling.

## RELEVANT EXPERIENCE

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### 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 - 02/2020

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

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### 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

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Interests include applied utilitarian ethics, rationalism, 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, rock drumming, singing, building, motorcycling and related mechanics, and long bouts of travel. I have lived in the Western US, the Jiangsu Province of China, and various places in Central/South America - and have visited every habitable continent. Variety is the spice of life!

## REFERENCES

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### Alan Reeves-Fortney

Senior Information Technology Manager at Lucid Software

+1 (650) 248-2702 — [arf@lucidchart.com](mailto: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.