

# CHASE ROBERTSON

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## EDUCATION

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### Master of Data Science

*University of Auckland*

**Expected Graduation 11/2023**

*Auckland, NZ*

- Machine learning theory and practice, model evaluation and validation, utilising Python and sklearn.
- Data processing, analysis, and modeling techniques with R, tidyverse, and ggplot2.
- Statistical concepts and methods, including: hypothesis testing, distributions, probability, and set theory.

### Bachelor of Science in Computer Science

*Brigham Young University*

**01/2014 - 05/2018**

*Utah, USA*

- Brigham Young Academic Scholarship, 2015
- Coursework: Algorithm Design & Analysis, Network Programming, Programming Language Concepts, Software Design & Testing, Machine Learning, Distributed Systems, Computational Theory.

## EXPERIENCE

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### 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**

- 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**

- Designed and implemented a data science ecosystem with Terraform, CI/CD, and AWS VPC/ECR/SageMaker.

### Systems Administrator at Lucid Software

**02/2021 - 07/2021**

- Led migration of Atlassian Server instance to Atlassian Cloud (Jira & Confluence).
- Administered office network and device fleet of about 500 macOS, 120 Windows, and 200 Ubuntu devices.
- Worked on internal identity system integrations, fleet management automation, and served as team mentor.

### IT Specialist II at Lucid Software

**02/2020 - 02/2021**

- Owned documentation, analysis, and automation of internal IT systems and processes.
- Reduced per-laptop hands-on setup time by a factor of 5 with MDM software (Jamf) and custom Bash scripts.
- Automated full inventory audit via matching of device identifiers in various systems to confirm approved users.

### IT Helpdesk Technician at Lucid Software

**09/2018 - 02/2020**

- Oversaw daily helpdesk operations, facilitated office space expansion, and conducted onboarding of all new hires as the company doubled in size from 300 to 600 employees.
- Created custom Python scripts utilising chrome webdriver and selenium testing package to manage configuration of 70 Polycom devices, saving thousands of dollars in software licensing costs.

## TECHNICAL SKILLS

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### Languages

Python, R, SQL, Bash, PowerShell, C++, Java, Julia, C#, JavaScript

### Tools

git, sklearn, tidyverse, ggplot2, Selenium, TCP/IP, DNS, AWS, OpenVPN, Wireshark

### Skills

Data Engineering & Analysis, Critical Evaluation, Technical Writing, Troubleshooting