

Ryan Lafferty

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[GitHub](#) | [LinkedIn](#) | [Portfolio](#)

EDUCATION

Auckland University of Technology; Auckland, NZ.

September 2023 - June 2025

MCS - Masters in Computer and Information Science

- Coursework: Artificial Intelligence & Game Theory | Data Warehousing and Big Data | Cloud Development | Advanced Internet of Things
- Research Topics: Multi-Agentive Framework for Keypoint Analysis in Olympic Lifting | Image Preprocessing Effects on Underwater Images Using YOLOv8

Institute of Data; Auckland, NZ

February 2023 - May 2023

Certificate in Data Science and AI

- Applied Concepts: Machine Learning | Data Pipelines | Model Building | Deployment
- Capstone Project: Landcover Segmentation of Landsat Satellite Imagery

Montgomery County Community College; Blue Bell, PA

September 2021 - December 2022

Postgraduate Certificate in Software Engineering

- Coursework: Object Oriented Programming | Data Structures and Algorithms | Web Design and Development

The Pennsylvania State University; Abington, Pennsylvania

August 2012 - May 2014

Bachelor of Business Administration, May 2014

- Relevant Coursework: Project Management | Supply Chain Management | Corporate Finance | Marketing

PROFESIONAL EXPERIENCE

Auckland Transport; Auckland, NZ

March 2024 – June 2024

Data Consultant

- Conceptualised Business/data architecture for Data and Insights Team by modelling organizational data flows to increase visibility and realize data contracts.
- Migrated MS Planner to Azure DevOps to increase visibility and implement Kanban organisation and centralise SQL repository

Institute of Data; Auckland, NZ

July 2023 - October 2023

Assistant Trainer of Data Science and AI

- First contact to reinforce concepts in probability, machine learning and Python workflows.
- Graded papers and

Superb Herb; Parakai, NZ

March 2020 - March 2023

Project Supervisor

- Collaborated with the Production Manager and Managing Director to improve data integrity, create SOPs reduce product waste and increase efficiency.
- Built data architecture retention data to predict retention periods for each plant, reducing waste and increasing market retention periods.

Suburban Solutions; Havertown, PA

September 2015 - November 2019

Branch Manager

- Managed all business functions including sales, marketing, and HR, ensuring smooth operations.
- Achieved Top 3 Yelp ranking in the area and maintained a 98% customer referral rate.
- Developed leadership and full-stack entrepreneurial understanding.

SKILLS AND INTERESTS

Technical Skills: Python | SQL | AWS | Spark | Data Modelling | Machine Learning | GIT | Power BI | Databricks

Certifications: AWS Solutions Architect | AWS Cloud Foundations | DataExpert.io Data Engineering Bootcamp
