

# Callum Herries

## Full-Stack Developer and Data Analyst

### Work Experience

2019

**Pricing and Strategy Analyst**, *Uber Freight*, Amsterdam, Netherlands.

Sole developer of the machine learning pipeline that has priced all of Uber Freight Europe's revenue since launch (+\$10 million). Owner of BI reporting ETLs and dashboards for the leadership team, and automation of pricing operations.

Technologies: Python, SQL, PySpark, JavaScript

2018  
2019

**Operations Analyst**, *Uber Eats*, Perth, Australia.

Continually optimized real-time pricing and matching algorithms with A/B testing and machine learning to balance supply and demand across Australia. Measured savings: \$2 million.

Technologies: Python, SQL, Haskell, Go

2016  
2017

**Deep Learning Research Intern**, *8i*, Wellington, New Zealand.

Implemented and trained Deep Learning models from research papers in Python to improve the quality of 8i's 3D capture pipeline. Created a web app with Flask to automate the data cleaning process and visualize prediction errors.

Technologies: Python, Tensorflow, Flask, JavaScript, C++

2016

**Product Manager**, *Chariot Ridesharing*, Wellington, New Zealand.

2015  
2016

**Operations Analyst Intern**, *Ports of Auckland*, Auckland, New Zealand.

2014  
2015

**Software Engineer Intern**, *Tasc Systems*, Hastings, New Zealand.

### Side Projects

2020

**FuelSurcharges.com**, An open source, full-stack clojure web app for shippers and carriers to track and audit the fuel surcharges on their shipments.

Technologies: Clojure, ClojureScript, React, Reagent, Re-Frame, PostgreSQL, Docker

### Education

2015  
2018

**Bachelor of Engineering, Engineering Science**, *University of Auckland*, New Zealand.

### Undergraduate Research Project

2017  
2018

**Automatic Segmentation of the Left Ventricle using Convolutional Neural Networks**, Awarded *Top in Class for Best Presentation*, Advisor: Prof. Alistair Young.