LUKE FITZPATRICK

DATA SCIENTIST

PERSONAL PROFILE

Data Scientist with 8+ years experience in building data-driven solutions across several industries. Strong background in statistical analysis, programming and predictive modeling.

Bringing excellent interpersonal skills and the ability to clearly communicate complex and technical information.

CONTACT DETAILS

🏠 San Francisco, CA
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CAREER HISTORY

Senior Data Scientist

Quantium | San Francisco, CA | 2018 - Current

- Led a team of four analysts to configure a transaction enrichment algorithm for two top 10 US banks, achieving over 90% coverage and accuracy of classified transactions.
- Developed a prototype GBM transaction classification model in Python which outperformed the existing algorithm.

Renewal Pricing Optimization Manager

Direct Line Group | London, UK | 2015 - 2018

- Managed a team of three analysts following promotion in early 2016.
- Oversaw project plans, reviewed models, and managed employee performance and day-to-day workstack.
- Rebuilt the renewal price optimization algorithm for £1.4B book of motor insurance policies, delivering £12M additional profit and a streamlined process with robust controls.
- Presented new optimization strategies to P&L leaders for approval.

Data Analyst

Quantium | Brisbane, Australia | 2011 - 2014

- Responsible for data extraction, cleansing and feature engineering.
- Built benchmark cost GLMs for an industrial gas client, along with an Excel scorecard which was rolled out to supply chain managers.
- Created and presented a SAS tutorial for colleagues.

ACADEMIC HISTORY

Queensland University of Technology

Bachelor of Applied Science (Mathematics) (First Class Honours) | Brisbane, Australia | 2008 - 2010

GPA: 7.0 out of 7 (high distinction) • Average Grade: 98%

SKILLS

Software	SQL • SAS • Python • R • Apache Spark • Tableau • VBA
Technical	Predictive modeling • Data cleansing • Data visualization Feature engineering • Price optimization
Personal	Problem solving • Teamwork • Communication Stakeholder management • Self-motivation

AWARDS AND CERTIFICATIONS

Data Scientist with Python Specialization, **DataCamp**	2019
Machine Learning Specialization, **Coursera**	2018
Associate of the Institute of Actuaries of Australia (AIAA)	2013
University Medal, **Queensland University of Technology**	2010
Staff Prize for Outstanding Achievement in Honours Year, **QUT**	2010