VIVEK KATIAL

Currently a PhD candidate at the University of Melbourne School of Mathematics and Statistics. I am someone who loves math, coding and travel. I pride myself on making my work reproducible and thrive for best practice.

I enjoy getting my hands dirty in data and am always looking for opportunities where technology can be used for social good.

🎓 EDUCATION

2022
|
2019

PhD. Candidate, Mathematics and Statistics
University of Melbourne
📍 Melbourne, AU

- Working on Optimisation via Quantum Computing.
- Fully-funded PhD Scholarship.

2017
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2013

BSc & BE(Hons) Conjoint Engineering Science, Statistics
University of Auckland
📍 Auckland, NZ

- **Thesis:** Optimising Complex Inter-Connected Pumping Systems.
- Graduated with First Class Honours.
- University of Auckland Deans Leadership Award for Outstanding Commitment to the Faculty of Engineering.

💼 INDUSTRY EXPERIENCE

2019
|
2016

Data Scientist
Quantiful
📍 Auckland, NZ

- Architected and implemented Quantifuls forecasting engine used to forecast sales for all three major Telco's within New Zealand.
- Directly managed a team of seven (5 interns and 2 graduates).
- Developed Quantifuls R&D Stream of work, enabling them to obtain over $1.2 million dollars in grants from the New Zealand Government.
- Created and managed one of the most competitve internship programs for Data Science in New Zealand (400+ applicants)

Data Scientist
Multitudes
📍 Melbourne, AU

- Formulating and implementing a methodology to evaluate inclusivity within engineering teams.
- Worked with the founders to help parse and visualize large stores of data from GitHub to drive features for the product.

Director
Good Data Institute
📍 Melbourne, AU

- The GDI is a non-profit organisation that unites data and analytics professionals with non-profits. As a director I am responsible for growth, governance and the strategic direction of GDI.
- I am also leading projects with four NFPs: Inclusive America, HBCU.vc, Sacred Generations and Rape Prevention Education NZ.

Supply Chain Analytics
Melbourne Business School
📍 Melbourne, AU

- Teaching Assistant.
- Covered many topics on how optimisation techniques can be applied in supply chains
- Graduate level class.

CONTACT AND LINKS

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LANGUAGE SKILLS

R

Python

Bash

Docker

Singularity

AWS/Cloud

LaTeX

SELECTED PROJECTS

I have worked on several side-projects for fun. I have listed some below:

EZ-experimentr: A tool to help researchers run reproducible experiments at scale
ubeRideR: A Shiny Web Application to play with Uber trips