

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
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2019

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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

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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
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2016

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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 competitive internship programs for Data Science in New Zealand (400+ applicants)

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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.

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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.

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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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vivekkatial@gmail.com

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github.com/vivekkatial

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[vivekkatial](#)

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[vivekkatial](#)

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+61 413-762-449

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173 Vere St, Melbourne, AU

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

Made w/ [pagedown](#).

Source code: github.com/vivekkatial/vk-cv.

Last updated on 2019-11-27.