

Jack Montgomery

Cape Town, South Africa

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I am currently working as a data scientist at a machine learning and optimization consulting company. My academic interests include mathematics, chaos theory, and computational neuroscience. I enjoy applying my background in mathematics, statistics, and computer science to solve real-world problems using simple and efficient methods.

EDUCATION

University of Cape Town
BSc Honours in Mathematics

Cape Town, South Africa
December 2024

- Functional Analysis
- Chaos Theory
- Reinforcement Learning
- Computational Neuroscience

University of Cape Town
BSc Specialising in Mathematics, Mathematical Statistics and Computer Science

Cape Town, South Africa
December 2022

St John's College
National Senior Certificate

Johannesburg, South Africa
December 2019

EXPERIENCE

Data Scientist
Isazi Consulting

Johannesburg, South Africa
January 2025

- Machine Learning
- Statistical Modelling
- Optical character recognition models

Software Engineer
Yellow Africa

Cape Town, South Africa
November 2022 - November 2024

- DevOps and Cloud Computing
- Infrastructure as code
- Commercial Problem Solving

AWARDS AND ACHIEVEMENTS

- Bachelor of Science Honours awarded with distinction
- Dean's Merit List 2022
- Bachelor of Science awarded with distinction in Computer Science and Mathematics and degree with distinction
- Member of the Golden Key Society
- Top 1% for Mathematics and Drama in the IEB(Matric)
- St John's College Head of School

KEY SKILLS

- **Cloud Computing** - Experience with AWS particularly in serverless architectures
- **DevOps** - Experience in creating and deploying Terraform modules
- **Computer Programming** - enjoy coding and comfortable using Python, Java and R
- **JAX** - Python library for high performance computing
- **Relational Databases** - experience with MySQL and Postgresql
- **Public Speaking** - comfortable presenting to people