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 machine learning, 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   **Cape Town, South Africa**
BSc Honours in Mathematics   *December 2024*

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

University of Cape Town   **Cape Town, South Africa**
BSc Specialising in Mathematics, Mathematical Statistics and Computer Science   *December 2022*

St John's College   **Johannesburg, South Africa**
National Senior Certificate   *December 2019*

EXPERIENCE

Data Scientist   **Johannesburg, South Africa**
Isazi Consulting   *January 2025*

- Machine Learning
- Statistical Modelling
- Optical character recognition models

Software Engineer   **Cape Town, South Africa**
Yellow 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