

PATRICK GARY MOEHRKE

Actuarial Consultant | Data Scientist | Cloud Practitioner | TASSA

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🌐 South African

📍 Somerset West, Western Cape

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🌐 <https://patrickmoehrke.com>

🐙 github.com/patrickm663

WORK EXPERIENCE

Actuarial Consultant

Dupro Advisory Ltd

📅 December 2020 – Present

📍 Remote

- Part of my responsibilities include: maintaining the project I began working on in July 2020, writing case studies using actuarial data that implements machine learning techniques, assisting with reports & studies, and presenting aspects of webinars.
- I am developing my knowledge on IFRS 17 and similar governance frameworks, along with technical skills such as PostgreSQL, Julia, Python, and machine learning & data science principles.

EMS Module Mentor

Faculty of Economic and Management Science, Stellenbosch University

📅 February 2020 – July 2020

📍 Stellenbosch, Western Cape

- I tutored first year Financial Mathematics to actuarial and mathematical statistics students.

EDUCATION

BCom Honours (Actuarial Science)

Stellenbosch University

📅 January 2020 – December 2020

📍 Stellenbosch, Western Cape

- Main Subjects: Actuarial Risk Management, Financial Engineering & Loss Reserving, Communications, Extreme Value Theory, Research Project, Introduction to R
- Research Project: *Evaluating the use of genetics to calculate risk premiums with applications to Huntington's Disease* – **Grade: Distinction**

BCom (Actuarial Science)

Stellenbosch University

📅 January 2017 – December 2019

📍 Stellenbosch, Western Cape

- Main Subjects: Actuarial Science and Mathematical Statistics
- Dean's Merit List: 6 subjects – **Top 10% in subject**

IEB National Senior Certificate

Beaulieu College

📅 January 2012 – December 2016

📍 Midrand, Gauteng

- Distinctions: English Home Language, Mathematics, Accounting, Geography, Physical Science
- Additional Subjects: Advanced Programme English, Advanced Programme Mathematics

AWARDS

- Golden Key International Honours Society – Invited 2018 & 2019 and accepted 2019
- Maties Gymnastics Most Valued Member – 2019
- Stellenbosch University Merit Bursary – 2018

INTERPERSONAL SKILLS

Organisational

Responsible

Adaptable

Communication

Dependable

Leadership

Professionalism

Inquisitive

Enthusiastic

TECHNICAL SKILLS

Microsoft Office 365

Microsoft Excel

R Programming Language

LaTeX



STRENGTHS

Actuarial & Statistical

Financial Mathematics

Research

Data Governance

Survival Models

Programming

Visualisation

Reporting

Algorithms

Markdown

External Libraries & Packages

Software

RStudio

Overleaf

Anaconda

Jupyter

ASSA EXAM RESULTS

Recommended for Exemption A111

A112

A113

A211

A213

N111

N211

Passed A212

LANGUAGES

English

Afrikaans



LEADERSHIP EXPERIENCE

- Chairperson: Maties Gymnastics – 2020
- Vice Chairperson: USSA Gymnastics – 2020
- Treasurer: Van Der Stel Gymnastics – 2020
- Treasurer: Maties Gymnastics – 2019

REFERENCES

HOBBIES

