

Lubasi Sebopeng Nkalolang

Actuarial Analyst | Data Enthusiast and Developer

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[LinkedIn: linkedin.com/in/lubasinkal](https://www.linkedin.com/in/lubasinkal) | [Portfolio: https://lubasiverse.pages.dev](https://lubasiverse.pages.dev) | [GitHub: https://github.com/lubasinkal](https://github.com/lubasinkal)

Summary

Highly motivated and analytical Actuarial Science student with a strong academic record and comprehensive foundation in mathematics, statistics, finance, and economics. Possessing demonstrated practical experience in data analysis, process automation, and software development through the application of programming languages including Python, R, Excel, Power BI, and SQL. Proven ability to leverage technical skills and problem-solving capabilities to address complex challenges in financial and actuarial contexts.

Skills

Technical Skills:

- **Programming Languages:** Python (Pandas, NumPy, SciPy), R, SQL, Visual Basic for Applications (VBA), Golang
- **Software & Tools:** Microsoft Office Suite (Excel, Word, PowerPoint), Microsoft Power BI, Git, GitHub

Actuarial & Domain Expertise:

- Financial Mathematics
- Actuarial Statistics
- Risk Management
- Life Contingencies
- Survival Models
- Stochastic Modeling
- Financial Economics
- Corporate Finance
- Financial Literacy

Soft Skills:

- Critical Thinking
- Problem Solving

- Data Analysis & Interpretation
- Teamwork & Collaboration
- Communication (Written & Verbal)
- Time Management & Organization
- Adaptability

Experience

Actuarial Intern | Empirica Actuaries, South Africa (Remote) | January 2024 – March 2025 (11 Months)

- Collaborated with senior actuaries on financial reporting and forecasting tasks.
- Developed and enhanced internal tools and processes, improving efficiency.
- Supervised and mentored junior interns on project tasks and methodologies.
- Automated manual processes through technical procedure updates, increasing efficiency.
- Analyzed insurance data and financial metrics using R and Python to support actuarial model development.
- Contributed to the development of an automated financial reporting tool with stress testing, forecasting, and optimization features.
- Assisted in cloud-based web application deployment, implementing CRUD operations and optimizing database performance.
- Developed custom Office Add-ins and taskpane enhancements using VBA for financial analysis.
- Prepared comprehensive reports and visualizations of actuarial findings and financial projections.
- Partnered with cross-functional teams on data-driven solutions in actuarial science and software development.

Education

Ba Isago University | Bachelor of Commerce Honors in Actuarial Science | 2021 – Present

- Relevant Coursework: Actuarial Statistics I & II, Financial Mathematics, Corporate Finance, Risk Management, Life Contingencies, Computer Packages and Applications in Insurance, Visual Basic for Applications, Survival Models, Stochastic Modeling, Financial Economics.
- Academic Standing: Year 3 Industrial Attachment (First Class Pass, 77%), Year 2 (Upper Second Class, 68.6%), Year 1 (Upper Second Class, 73.8%). *(Optional: You can include this if your grades are strong and relevant)*

St. Josephs College | Botswana General Certificate of Secondary Education | 2019 – 2020

Graduated: 45 points

Achievements and Activities

- Awarded Bronze Medal in the Senior Mathematics Olympiad 2020.
- Served as Class Representative, August 2020 – Present.

Languages

- **English**
- **Setswana**

References

- Olebogeng Mokgware | Ba Isago University | AG, Dean, Faculty of Commerce | Head of Department Risk Management, Insurance and Actuarial Science | 11 Koi Street, Peolwane, Gaborone | +2673957744 | olebogeng.mokgware@baisago.ac.bw
- Suleman Patel | Ba Isago University | Actuarial Science Lecturer | 11 Koi Street, Peolwane, Gaborone | +26777934199, | suleman.patel@baisago.ac.bw
- Edwin Puso Afitile | Founder of Empirica Analysis | Actuary | IFRS 17 | Ethics Certification Candidate at The Ethics Institute (TEI) & University of Stellenbosch Business School | Tech (Django, Python, R) | +27 60 722 4784 | eafitile@campempirica.com