

# Michael Gicheru Muiruri

+254 713 744-894 | Nairobi, Kenya | [mikegicheru18@gmail.com](mailto:mikegicheru18@gmail.com) | [linkedin.com/in/michael-g-76b85b191](https://linkedin.com/in/michael-g-76b85b191)

## EDUCATION

### Strathmore University

*Bachelor's of Business Science, Actuarial Science*

Nairobi, Kenya

June 2019 — December 2022

- Cumulative GPA: 3.67/4.0 | Dean's List, First Class Honours

- Relevant Coursework: Principles of Actuarial Management, Stochastic Methods, Actuarial Practice and Communication, Programming Methods for Actuarial Science

### Institute and Faculty of Actuaries (IFOA)

*Actuarial Qualifications*

Nairobi, Kenya

September 2021 — Present

- Exams Passed: 8 of 13 papers

- Relevant Coursework: CB1 (Business Finance), CB2 (Business Economics), CB3 (Business Management), CM1 (Actuarial Mathematics), CM2 (Financial Engineering and Loss Reserving), CS1 (Actuarial Statistics), CP2 (Modelling Practice), CP3 (Communication Practice)

## WORK EXPERIENCE

### Actuarial Associate

December 2022 — Present

Nairobi, Kenya

Britam General Insurance

- Calculated actuarial reserves for the General and Health products
- Conducted the implementation and continuous reporting of IFRS 17 across 4 different countries
- Reviewed Actuarial and Financial Condition Reports (FCR) from the appointed actuary
- Created internal R package containing functions used to simplify common actuarial tasks such as database access and API access with the IFRS 17 reporting engine
- Conducted experience reviews for both general and health insurance products
- Created, reviewed and presented management reports for board meetings
- Calculated and analysed solvency drivers on a monthly basis
- Conducted yearly budgeting exercises on both IFRS 4 and IFRS 17 accounting standards
- Automated the following key tasks with free open source software reducing turn around times:
  - Profit testing of products across the General Insurance group
  - Experience reviews for products, including experience reviews on a scheme basis for the health portfolio
  - Creation of loss ratios per agent PDF files for use by the banc-assurance team
  - Creation of the Insurance Regulatory Authority (IRA) actuarial quarterly report
- Conducted analyses of surpluses of technical provision and adjusted reserves appropriately
- Provided support for the pricing of select monthly general insurance policies and new medical schemes

### Underwriting Intern

February 2022 — April 2022

Nairobi, Kenya

Madison General Insurance Company

- Prepared insurance quotations for clients.
- Prepared insurance contracts for policyholders.
- Debiting of new business and renewal of existing policies.

## EXTRACURRICULAR ACTIVITIES

### Blogging

Jan 2025 — Present

- I have a blog ([michaelgicheru.com](http://michaelgicheru.com)), where I talk about open source software with applications in Actuarial Science

### Open Source Contributor

April 2022 --- December 2022

- I am a creator and maintainer of various open source actuarial-focused R packages.

## SKILLS

- **Programming Languages:** R, Rust
- **Technologies:** Excel, Git, GitHub, CI/CD