

Ratul Maharaj  
Junior Actuarial Specialist



Cape Town, South Africa



An enthusiastic, highly-motivated actuarial student who enjoys taking initiative, solving problems and seeking out new challenges.

## Tech Stack



pandas



R



Python



Git



NodeJS



Gatsby



React

## Work Experience

### Feb 2019 - Present



#### Junior Actuarial Specialist

OMART, a subsidiary of Old Mutual Limited, is a life insurance company that specialises in cell captive solutions for clients wanting to meet insurance and profit-share objectives. My responsibilities as part of the team include:

- Performing Financial Soundness Valuations, IFRS profit analysis of surplus, providing insights into results and drafting valuation reports,
- Assisting with SAM regulatory solvency calculations,
- Assisting with Market Consistent Embedded Value (MCEV) calculations,
- Performing calculations for dividend declarations, board reports and ad-hoc requests,
- Reviewing regular and ad-hoc financial reports,
- Supporting the OMART team with new cell and product launches,
- Translating market, client and financial data analysis results into client-friendly reports and presentations,
- Assistance in process improvement through the development of a data management system.

I also received the 2019 Old Mutual Corporate Excellence Award in the Innovation category.

Valuations

Prophet

Data Management

SAM Reporting

Analysis of Surplus

Cell Captive

Life Insurance

### Nov 2018 - Dec 2018



#### Vacation Student at Old Mutual Alternative Risk Transfer Limited (OMART)

OMART provided a great opportunity for me to develop my knowledge and skills in the insurance industry. As a vacation student, I spent a great deal of my time meeting new people, exploring various roles and gaining insight into the operations of the business as well some of the challenges faced. I was taught about life insurance and how cell captives work, as well as how various products and benefits are structured. I also assisted with some ad-hoc administrative tasks such as the testing of a bank reconciliation system and provided support to the actuarial and accounting teams where needed.

System Testing

Bank Reconciliation

Data Analysis

Cell Captive

Life Insurance

### Dec 2017 - Dec 2017



#### Vacation Student at Old Mutual Product Solutions

The Old Mutual Product Solutions team provided an opportunity for me to gain valuable insight into the behind the scenes operations of major life insurance products. I engaged in meaningful conversations with industry professionals about their functions in the organisation as well as the various opportunities that were available to an actuarial graduate. I was taught about how various life insurance products are structured, specifically funeral products, and was allowed to sit in on claims committee and project management meetings. I also assisted with various ad-hoc tasks such as the comparison and visualisation of mortality rates.

Data Analysis

Mortality Investigation

Funeral Products

Life Insurance

Dec 2015 - Dec 2016



**RS Accounting Services CC**  
*Accounting Specialists and Tax Practitioners*

#### Vacation Student at RS Accounting Services

Assisted with various administrative tasks such as:

- Capturing of invoices and bank statements,
- Drafting of financial reports,
- Filing of SARS tax returns.

Pastel Accounting

Bank Statements

Invoices

Trial Balance

Income Statement

Balance Sheet

Accounting

### Education

Feb 2020 - Present



#### Student Member

I have successfully completed the following subjects:

- A111 (Actuarial Statistics)
- A112 (Business Economics)
- A113 (Business Finance)
- N211 (Communications)
- A211 (Financial Mathematics)
- N111 (Foundation APP)

Jan 2016 - Dec 2018



**UNIVERSITY OF CAPE TOWN**  
IYUNIVESITHI YASEKAPA - UNIVERSITEIT VAN KAAPSTAD

#### Undergraduate Degree

Bachelor of Commerce Degree, Specialising in Actuarial Science.

Jan 2011 - Dec 2015

Southlands Secondary School

#### National Senior Certificate (NSC)

- Dux Recipient
- Deputy Head Prefect
- Participant in the GIBS Spirit of the Youth Leadership Programme