



» Name & Surname:	Tlotliso Jonas
» Occupation:	Murex Analyst
» Phone:	078 690 1240
» Email:	tlotlisojonas@gmail.com
» Languages:	English & Sesotho
» Activities:	Chess, Ice Skating, Soccer, Gym
» Location:	Johannesburg

## PROFESSIONAL BACKGROUND

### Murex Front Office/Risk Analyst (Elenjical Solutions)

Jan 2021 - Now

- » Pricing, Simulation, Risk reconciliations, Trade Query, VAR, Stress testing, PLVAR
- » Reporting (Feeders & Extractions)
- » Workflows, OSP
- » Rights management
- » Static data creation (instruments, generators, market data)
- » Regression testing (Configurations, test changes, approve/regrect changes)
- » MXTEST (Murex automation)
- » Airflow (Dag configuration & dubugging)
- » Eod of day (EOD) overnight support
- » Scripts writing and updates (python & shell)

### Software Developer Intern (VF Exclamation (Pty) Ltd)

Jun 2019 - Dec 2019

- » Built customer portal interface using zoho creator
- » Integration in python for data processing and data transfer between different web applications

### Embedded Systems 1 Tutor (University of Cape Town)

Mar 2019 - Jun 2019

- » Tutoring embedded system 1 course to engineering students
- » STM32FOC651 microcontroller c programming

### Engineering Student Intern (UCT Robotics And Agent Research Lab)

Nov 2018 - Feb 2019

- » Designed dual-arm scara robot using SolidWorks
- » Investigating different actuators (pneumatic cylinders, air muscles, stepper, dc,and servo motors) for precision control of the end effector.

## EXPERIENCE

## SKILLS

### Programming Languages

- » Python
- » MATLAB
- » R
- » C
- » SQL and MySQL

### Microsoft Office

- » Word, Excel & PowerPoint

### Engineering Computer Programs

- » SolidWorks

## SKILLS

**2020: Masters in Risk Management of Financial Markets** ([University of Cape Town](#))

**Content Covered:**

- ▶ Quantitative Methods
- ▶ Financial Instruments
- ▶ Computing Skills (MATLAB, Excel & SQL)
- ▶ Econometrics
- ▶ Market Risk Models
- ▶ Credit Risk Models
- ▶ Corporate Governance
- ▶ Financial Regulations

**2016 - 2019: BSc (hons) Mechanical & Mechatronic Engineering** ([University of Cape Town](#))

# EDUCATION

## ACHIEVEMENTS

**2021**

- ▶ Golden Key International Society Membership (Academic Excellence)

**2020**

- ▶ FNB Stockbroking and Portfolio Management Trading Competition Winners (Trading Simulation)

**2019**

- ▶ The Pitch UCT Competition

**2018**

- ▶ KPMG Innovation and Challenge Collaboration Challenge 2019 National Finalist

**2015**

- ▶ Free State Top 100 Provincial Award
- ▶ Bluegumbosch Secondary Top Learner Award
- ▶ Kutlwanong Maths And Physics Awards

# ACHIEVEMENTS

