

# Tlotliso Jonas

## Murex Analyst At Elenjical Solutions

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### Work Experience

Murex Analyst 3 Jan 2021 - Current

[Elenjical Solutions](#)

Providing technical Murex support to medium to large financial institutions.

Software Developer Intern 12 June 2019 - December 2019

[VF EXCLAMATION \(PTY\) LTD](#)

The duties involved the use of Zoho creator to build customer portal interface, API integration in python for data processing, and transferring data between different web applications.

Embedded Systems 1 Tutor March 2019 - June 2019

[University of Cape Town](#)

Tutoring embedded systems 1 course to engineering students. The course involves digital electronics of logic gates and c programming of the STM32FOC651 microcontroller and I tutor the c programming part of the course

Engineering Student Intern November 2018 - February 2019

[UCT ROBOTICS AND AGENTS RESEARCH LAB](#)

The project was teamwork and I was responsible for designing (using SolidWorks) and building the mechanical structure of the dual-arm Scara robot. The project involved investigating the comparison of different actuators such as pneumatic cylinders, air muscles, stepper motors, dc motors, and servo motors for precision control of the end effector. And using c programming language to program the logic.

Making Waves Project Manager July 2018 - November 2018

[University Of Cape Town](#)

Responsible for managing "Making Waves" Project

#### Key Contributions:

- Coordinating regular meetings
- Assigning work to team members
- Ensuring that team members do their work as expected
- Ensuring that the team meets all the deadline
- Managing the team resources
- Ensure efficient communications among all stakeholders
- Accepting and analyzing change requests then making team decisions

Engineering Student Intern 1 December 2017 - 14 December 2017

[Cape Peninsula University of Technology](#)

### Summary

I have an undergraduate degree in Mechanical Engineering and a Master's degree in Risk Management of Financial Markets from the University of Cape Town. I enjoy solving problems from software development, data science, and financial engineering.

### Languages

- Sesotho and English.

### Skills

#### Programming Languages:



- Python
- MATLAB
- R
- C programming language
- HTML, CSS and JavaScript
- MySQL, SQL and Postgress
- Deluge Script (Zoho Creator)

#### Web Development Skills



- Git and GitHub
- Django Framework
- Scipy, Numpy and Pandas
- Digital Ocean web hosting
- Postman

#### Engineering



- Robotics, Pneumatics & CNC
- Fitting and turning
- Basic hand skills

#### Engineering Computer Programs:



- LabView
- SolidWorks

Training in Welding, Fitting and Turning, CNC Programming, Metrology, Pneumatics, Basic Hand Skills And Robotics

Floor Representative

February 2017 - November 2017

KOPANO RESIDENCE

**Key Contributions:**

- Assisted my floor mates with their daily basic residence needs
- Responsible for collection and distribution of study snacks
- Keeping and monitoring the floor cleaning equipment

## University of Cape Town Completed Courses

### 2020 Courses: MCom Masters

**Course Description**

1. Quantitative Methods
2. Financial Instruments
3. Computing Skills
4. Econometrics
5. Market Risk Models
6. Credit Risk Models
7. Corporate Governance
8. Financial Regulations
9. Current Issues

### 2019 Courses: Electromechanical Engineering

**Course Description**

1. Mechanical Vibrations
2. Measurement and Control
3. Industrial Ecology
4. Product Design
5. Fundamentals of Control Systems
6. System Design
7. Engineering Professionalism
8. Intro to Psychology Part 1

## Microsoft Office



- Word, Excel & PowerPoint

## Achievements

**2021:**

- Golden Key International Society Member.

**2020:**

- FNB Stockbroking and Portfolio Management Trading Competition Winners.

**2019:**

- The Pitch UCT Competition Winners in the Ideation Category

**2018:**

- KPMG Innovation And Collaboration Challenge 2019 National Finalist

**2015:**

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

**2014:**

- Bluegumbosch Secondary Top Learner Awards
- Kutlwanong Grade 11 Top Learner Award

**2013:**

- Bluegumbosch Secondary Top Learner Awards
- Kutlwanong Grade 10 Top Learner Award

## Interest And Hobbies

- **Programming:** I enjoy building python programs and developing web applications.
- **Chess:** I love playing chess with friends and I usually participate in chess tournaments.
- **Gym:** Physical fitness and gym is part of my weekly routine.

## Degrees

- BScEng (hon) ElectroMechanical
- Masters in Risk Management of Financial Markets.