

Curriculum Vitae

Name: Lezerick Graeme Owies
Date of Birth: 17 April 2001
Nationality: South African
Gender: Male
Languages: English, Afrikaans
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Personal Statement

I graduated from the University of Cape Town with a degree in BSc Mechatronics. Due to the nature of my degree, along with personal interests, I have a fundamental background in mathematics, science and programming. I enjoy applying myself to solve complex problems, and I'm always willing to learn new skills to challenge myself and gain more real-world exposure. I am driven to succeed and willing to work hard to achieve my goals.

Key skills:

- Python, Java, C
- MATLAB & Simulink
- Spice Circuit Design
- SolidWorks
- Microsoft Office

Key strengths:

Engineering design
Problem-solving
Team player
Adaptable and practical
Fast Learner

Education

- University of Cape Town:
 - *B.Sc. (Hon) Engineering in Mechatronics*
 - Completed a thesis in engineering design related to sensor fusion and computer vision
 - Completed courses in Control Systems, Digital Signal Processing, Embedded Systems, PCB Design and Mechatronics
 - Acquired extensive knowledge in the fundamentals of electronic and embedded systems, control theory and digital signal processing.

Working Experience

Tronox Namakwa Sands:

Engineer-in-Training (BSc Eng Mechatronics)

2023 to present

- Practical field experience working with Instrument technicians performing sensor installation and calibrations along with PLC and SCADA interfacing in a mining plant (Conveyors, Pumps, Motors, Control Valves, etc.,)
- Introduction to PLC programming on Mitsubishi PLCs, SCADA design, Profibus network communication and Modbus TCP communication protocols
- Performed installation and commissioning of a conveyer safety system (CT System)

Tronox Namakwa Sands:

Vocational Work

2019-2022

- Gained exposure to conveyor belt operation and electrical motor control using VSDs and Siemens Simocodes
- Performed a complete update of the MV Single Line Reticulation at the Tronox Brand-se-baai mine site
- Performed low voltage control panel design for automatic Air Cannon firing

Achievements & Awards

- Academic Honours – Vanrhynsdorp High (2018)

Licenses & Certifications

- Valid Code 10 Drivers Licence (C1) - South African

Community Involvement & Leadership Positions

- Bitterfontein Football Club – Director & Player (2017- Present)
- Deputy Head boy – Vanrhynsdorp High (2018)

References

- *Graham Klaasen*
Senior C&I Technician
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- Dr Jacob Cloete
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