

Zico enjoys using his technical skills to create practical solutions for complex problems, especially in the areas of dynamic motion and optimal control and estimation.

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## Experience

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- Peralex Electronics (Feb 2016 - Present)

Remote software and DSP (digital signal processing) engineer. He has worked as the sole engineer on a diverse set of projects, ranging from IoT (Internet of Things), web development, and RADAR signal processing.

- Dima Robot (Nov 2014 - Feb 2015)

Worked on the DIMA Robot, developed by Amir Patel, at the University of Cape Town. Implemented an Inertial Navigation Control system for the robot.

- Thinking (Nov - Dec 2013)

Worked with an electrical engineer, developing electronics for interactive products using Arduino and Raspberry Pi micro-controllers.

- Paygate (June - July 2013)

Developed code to integrate to Paygate's online payment services with an android application.

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## Competencies

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| C/C++ | JavaScript | NodeJS | Python | Embedded Systems | Java | Matlab |
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## Education

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- University of Cape Town: MSc programme at the University of Cape Town (part time). A full dissertation in the topic: Monocular 3D Reconstruction of Cheetahs in the Wild. Supervisors: Dr Amir Patel and Dr Fred Nicolls (2021 - 2023)

- University of Cape Town: BSc Electrical and Computer Engineering, graduating with a First-class honours. Student Number: DSLZIC001. 4th year thesis: SLAM for underground robots with the kinect camera using Computer Vision techniques. (2012 - 2015)

- Constantia Waldorf School: High school. (2008 - 2010)