Zico da Silva   Software Engineer   zicods7@gmail.com

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.

Experience

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.

Competencies

C/C++ • JavaScript • NodeJS • Python • Embedded Systems • Java • Matlab

Education

University of Cape Town: Pending MSc with the African Robotics Unit (ARU). A full dissertation programme in the topic: Monocular 3D Reconstruction of Cheetahs in the Wild. (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)