

Dino Claro

Curious Fool.

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Sydney

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Experience

Vacation Work: MechatronicSystems.Group July 2023

MechatronicSystems.Group is a research unit within the UCT Mechanical Engineering Department focusing on control systems, system identification and embedded hardware.

Project: Odometry pose-estimation for the Duckiebot robotic car platform

Tutor: UCT Engineering Department Part-time 2023

Mechanical Engineering Department tutor for second-year Solid Mechanics and third-year Control Systems.

Responsibility: Conduct weekly tutorials, assist with student queries and mark projects and class tests.

Internship: S-Plane December 2022

S-PLANE specialises in delivering automation solutions for aircraft systems where I was placed as an intern in the embedded team.

Projects: Developing a synthesisable VHDL model of a popular ADC and a Python package for parsing C++ code.

Work Experience: MLI Tool and Die June-July 2021

MLI Tool and Die specialise in the design and manufacturing of dies for plastic injection moulding.

Activities: Basic training in the use of engineering machinery such as a lathe and CNC machine and introduction to the design of moulds.

Extra-Curricula: UCT Residence Committee 2021

Held the IT representative position on the committee.

Responsibility: Ensuring computers and other technologies, together with the WIFI, were consistently working and reporting any issues to the relevant parties.

Skills & Interests

- **Programming:** Python, ROS and C
- **Computer Aided Design:** Solidworks
- **Languages:** English, Portuguese
- **Hiking and Rock Climbing**
- **Machine Learning, Automation and Control**

Personal Statement

A graduate engineer seeking opportunities to develop technical skills and gain worldly experiences at an organisation where I can add and extract value about engineering, cultures and life.

Education

King Edward VII School
2015-2019
Final Average: 90

University of Cape Town
2020-2023
BSc ENG Mechanical and Mechatronics
Grade Point Average: 92

Recognitions

UCT - Albert Wessels Prize (2021 - 2023):

Awarded by the UCT Engineering and the Built Environment Faculty to the top academic performing student, in their respective year.

UCT - Dean's Merit List (2021 - 2023)

UCT - Top 10 Final-Year Project

Top 3 Final Matric results(2019):

Placed 3rd place for the 2019 matric class at King Edward VII School.

Short Courses\Certificates

• **Dale Carnegie – Generation.Next(2019)**

The world-renowned course aimed at developing leadership and communication skills in high school students.

• **Gordan Institute of Business Science – Spirit of the Youth (2018)**

Provides high-impact learners a platform to articulate their vision for South Africa, engaging in dialogues with policymakers and peers on crucial issues.

Additional Information

- [Transcript and other documents](#)
- [LinkedIn](#)
- References available upon request