Dylan Muller

👤 Profile

Currently a final year electrical and computer engineering undergraduate passionate about transforming the world through technology. I am a highly motivated, analytical individual, constantly learning and adapting to new, emerging technologies. My primary interests are in software and electronics engineering.

💼 Internships

Full Stack Developer at Quillo, Cape Town
June 2019 — July 2019

- Front-end development using Angular and Node.js (Typescript)
- Back-end development using GraphQL, Apollo and PostgreSQL.
- Implementation of a web scraping framework in Python.
- Angular UI design using HTML and SCSS.
- Implementation of cloud functions for image compression using Firebase.
- General Node.js development using Typescript and JavaScript.
- Extensive use of version control (Git).

Radio Frequency Engineer at Tellumat, Cape Town
June 2018 — July 2018

- Intern for senior radio frequency (RF) engineer supervising the design of radar instrumentation such as radio transmitters, receivers and embedded systems.
- Assistant to radar technician in the assembly, calibration and testing (ATP) of commercial radar systems.
- Assistant to technician in the calibration of microwave cavity filters as well as antenna systems.

🎓 Education

Bsc (Eng) Electrical and Computer Engineering, University of Cape Town
2017 — Present

- Member of UCT Software Developer Society (DEVSOC).
- Member of Engineers Without Borders (EWB).
- Gave C/C++ and reverse engineering tutorials.

B.Eng Electronic Engineering, University of Pretoria
2016 — 2017

- Member of UP HackerSpace.
- Gave NumPy/Python tutorials to first year students.
- Transfer to University of Cape Town.

Cambridge International Examinations (Matric)
2015 — 2016

- Advanced Subsidiary Levels AS/A levels.
- Biology, Mathematics, Physics & Chemistry, English, Afrikaans

Details

Cape Town,
South Africa
072 931 0071
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Links

Personal Blog
Git
Reddit

Skills

Git

Java

Assembly

C/C++

C#

Python

Javascript

Typescript

HTML / SCSS

Node.js

PHP

MySQL / PostgreSQL

GraphQL

Linux

MacOS

Bash / Z-shell

Visual Studio Code

Debugging

Reverse Engineering / Ethical Hacking

PCB Design