

EXPERIENCE

ALPHA CREST FINANCE

June 2021 – Present

Software Developer – Self Employed

- Developing a high frequency trading system for cryptocurrency exchanges
- Improved and scaled a trading system written in Golang
- Built and extended a back-testing application in Rust allowing insights into potential trading opportunities and expected outcomes
- Deployed and managed EC2 servers on Amazon Web Services
- Continuously researched and implemented new technologies to enhance infrastructure and team productivity

ZAN'S SHOOTING SIMULATOR

November 2020 – August 2022

React Native Android Developer – Contract

- Continued and finalised development of a prototype React Native app designed to train firearm usage
- Worked with receiving external device information over a Bluetooth connection

EDUCATION

UNIVERSITY OF THE WESTERN CAPE

MSC COMPUTER SCIENCE

2024 - 2025

Project Title: A Framework for Secure Financial Transactions with Relativistic Quantum Tokens

BSC HONS COMPUTER SCIENCE

2023

GPA: 77.25

Project Title: Quantum Money

BSC COMPUTER SCIENCE

2020 – 2022

GPA: 71.75

ACHIEVEMENTS

GDSC UWC LEETCODE CHALLENGE

July 2022

Entered a one week long competition hosted by UWCs Student Developer Club.
Received a Google Chromecast for 1st prize.

FLUTTER CLOCK CHALLENGE

Dec 2019 – Jan 2020

Created a clock app using Flutter.
Submission was showcased during announcements of final results.