



JORDAN JAMES

Computer Scientist

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EDUCATION

BSc Computer Science

Stellenbosch University 2021 – 2024

Majors: Computer Science and Operations Research

Minors: Mathematics, Statistics, Applied Mathematics, Abstract Mathematics

Programming Languages

- Python, Java, C, Dart, R, X86 ASM

Skills & Interests

- API development & Integration
- Scripting & Task automation
- Computer Systems & Networks
- Git & CI/CD
- Basic Penetration Testing & Web-Security
- Microcontrollers (Arduino & RPi)

Soft Skills

- Remote worker & Self-starter
- Structured Programmer
- Client interfacier & Networker

Projects & Upskilling

- Limit Order Application for my investment portfolio: Allows me to buy ETF's at prices I set.
- Patrol Unit Route Optimiser: An application that optimises patrol routes based on crime data and incident reports.
- Data Compressor: A Unix CLI tool that uses the Huffman algorithm to compress and decompress files (Lossless). Built in X86 ASM.
- Implemented a Compiler in C: Utilising lexical analysis, parsing, semantic analysis, and code generation with Jasmin to produce JVM bytecode.

PROFILE

I am a final year Computer Science student from Stellenbosch University with a strong technical background in programming and mathematics. I am able to leverage both my technical knowledge and charisma to lead, as well as collaborate with diverse teams to produce high quality results. I am a self starter and am eager to learn and up-skill myself within my field. Outside of my professional life, I live an active lifestyle and enjoy surfing , kiteboarding and hiking.

WORK EXPERIENCE

HALO Systems

Software Developer

2022 – 2024

- I worked for a small MediTech company focused on building software solutions for the public and private healthcare sector.
- The software allows Doctors to upload voice notes and have the information transcribed and placed into an electronic medical record.
- The company currently has numerous Beta testers, including head of surgery at Tygerberg Hospital.
- I worked in a team of three and lead the Flutter project.
- After numerous iterations, we then moved our application to a WhatsApp interface.

Private Tutor

2023 – Present

- Assisted students with programming projects and mathematics.