Jonathan Vice

Freshly graduated and looking for opportunities to learn more!

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EDUCATION

University of South Africa — *BSc Computing*

FEB 2017 - JULY 2021

Computing is a joint between Computer Science and Information Systems. Which includes subjects like programming and systems development.

Hudson Park High School, East London — *NSC*

JAN 2013 - DEC 2015

I successfully completed my National Senior Certificate while at Hudson Park High School. While there I took Biology, IT, Physics, and higher grade math. I was awarded the highest grade in my year for IT every year at the school.

PROJECTS

All projects listed are available on my GitHub profile (GitHub.com/MrSquigy)

toy machine — *Virtual Machine*

I made a virtual machine toy project whilst I was doing the subject Operating Systems and Architecture. The virtual machine is written in Python and uses an assembler I created alongside it (tasm).

Roomie — *Online Room Scheduler*

I made a room scheduler in Python with Django. It allows you to set up existing rooms, and then plan meetings or events in them.

Personal website

I have made a website using JavaScript, HTML and CSS. It is hosted on GitHub Pages and you can access it at MrSquigy.GitHub.io/portfolio

The source is also available.

SKILLS

Python, C++, JS

SQL, database creation & management, django-orm

Object-oriented programming

Modern web stack (Django, Python, JS)

UI development with Qt in Python & C++

OSS practices such as git, issues, pull requests, branch management

Legacy web dev stack (HTML CSS, JS, PHP)

ACHIEVEMENTS

While studying at the University of South Africa, I achieved 18 distinctions out of a total 30 subjects. These are listed below in order of achievement date.

Linear Algebra
Introduction to Business Information Systems
Introduction to Programming 1
Computer Systems: Fundamental Concepts
Theoretical Computer Science 2
Visual Programming 1
Human-Computer Interaction 1
Introduction to Programming 2
Programming: Data Structures
Programming: Contemporary Concepts
Object-Oriented Analysis
Operating Systems and Architecture
Databases 1
Visual Programming 2
Advanced Systems Development
Human-Computer Interaction 2
Advanced Programming