TIEG O'SULLIVAN

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🗊 github.com/outige

EDUCATION

Stellenbosch University

B.Sc. in Computer Science

🗓 Feb 2018 - December 2021

Computer science modules:
- 114: Intro to programming - Java
- 144: Advanced intro to programming - Java
- 214: Data structures & algorithms - Java
- 244: Low level programming - C, Assembly
- 314: Parallel computing - C
- 334: Web development - Python, Cypher, SQL - **94 % achieved mark**

Current year average: > 85 %

Other modules:
- 2nd & 3rd year operations research
- 1st year mathematics
- 1st year statistics
- 1st year applied mathematics

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Parklands College

Matriculated with 3 distinctions & 90 % for IT

🗓 2017

Subjects: IT, Mathematics, AP mathematics, Physical sciences, Life science, English & Afrikaans

PROJECTS

Flask Message Board

Using **Python** & **flask** to develop an application that allows users to Create, Read, Update and Delete messages to various message boards - **https://tieg-app0.herokuapp.com/**
What I accomplished:
- Front-end & UX design
- CRUD application design - using a SQL database
- Deployment of the website

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GitHub account rater

Used **Python** to provide a machine model with user data, by developing a **web scrapping** app from scratch
What I accomplished:
- Collaborated with a Data Scientist in order to gain an understanding of the data requirements
- Maintaining a Git branch. Merging and pushing to master. Dealing with merge conflicts. Pull requests & code review

(All projects are available on my GitHub)

PROGRAMMING

C, Python
SQL, HTML5, CSS
Java, GO, Cypher

TECHNICAL SKILLS

Git, Linux
Data structures and algorithms
Bash, Latex

PERSONAL SKILLS

Hard working   Self motivated

Eager to learn

Good communication skills

Works well in a teamwork

Proactive and able to self manage

Creative problem solver

TECHNOLOGIES

mySQL   postgreSQL   neo4j

virtualenv   REST api   OOP   JSON

Sass   MVC   flask

PARTICIPATION

- Western province mathematics B team 2015
- Water polo player of the year, 2016
- Programming Olympiad, 2014 - 2016
- Mathematics Olympiad, 2014 - 2016

COURSES

Harvard CS50's Web Programming with Python and JavaScript

Developing web applications with Python and JavaScript

🗓 April - August 2020

EXPERIENCE

NEC XON

Job shadowing network operations, as well as interviewed experienced network architects.

🗓 Jan 2020