

THANDI MATROSE

speaker / developer / eternal learner

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Mowbray, Cape Town



<https://github.com/thandimatrose/>



<https://www.linkedin.com/thandi-matrose/>

Personal Statement

I am an ambitious and eloquent third-year student at the University of Cape Town pursuing an undergraduate degree in Geoinformatics with a major in Computer Science. Proficient in both Java and Python programming, I have independently cultivated my web development skills - mastering HTML, CSS and Javascript. I've honed my critical thinking through active participation in debates, both as a speaker and an educator. I embody the ideal of social consciousness from my student leadership roles to my career aspirations.

SKILLS

Python	Java
JavaScript	React.js
HTML	CSS + Sass
SQL	Typescript

Technical Applications

- Relational Database Design and Implementation using SQL with Microsoft Access and DBeaver (2yrs)
- OOP using Java (4yrs)
- Front-end Web Design using HTML, CSS and JavaScript (3yrs)
- Functional Programming using Python (2yrs)
- Software Development with JavaGUI (2yrs)
- ArcGIS Pro Data Analysis & Reporting (1yr)

Communication

- Sophisticated and Professionally Trained Public Speaking (Senior Debater of the Year 2020 & 2021 & Toastmasters Course)

Languages

English	Native
Afrikaans	Basic

WORK EXPERIENCE

[Jun – Jul 2023]

Geographic Information Systems Intern

Information & Knowledge Management Department

@ City of Cape Town, Wale Street Office

10-day Internship – assisted with Water Body Data Capture and Python Automation of Change Detection;

Ref: Thomas Reiner*

[Jan 2022 – Nov 2023]

High School Debating Coach

Teaching Senior and Junior Debate Teams in preparation for competitive leagues.

Ref: Catherine van der Nest*

[Mar 2019 – Dec 2023]

Private High School Tutor

Supporting students in achieving their academic goals in Mathematics, Physics & Chemistry from Grade 8 to matric

*Contact details upon request

EDUCATION



University of Cape Town

BSc(Hons) in Geoinformatics
& Computer Science

(currently in 3rd year)

Graduation: 2026

Accumulated Weighted GPA of 73.09%

Relevant Coursework: Python, Java, SQL, OOP, Java GUI, System Design, Linear Algebra, Vector Calculus



Elkanah House High School

[2017 – 2021]

Matric NSC Average of 85.42%

(7 Subject A's /w Information Technology 88%)
IEB Curriculum

LEADERSHIP & VOLUNTEERING

Educational Coordinator 2024

Vegilicious (Plant-Based Society @ UCT)

Elected to create resources and facilitate discussion space for society members

Second-Year Geomatics Class Representative 2023

Mouthpiece for all Geoinformatics and Surveying students and convenors' liaison for all relevant courses

Head Prefect 2020/2021

Elected Head Prefect by high school student body and staff

Co-Leader of Kangaroo Mom Knitting 2019-2020

Knitting blankets for mothers of premature babies at Karl Bremer Hospital