

Thandi Matrose *writer / developer / eternal learner*

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Dear Hiring Team,

I am writing to express my enthusiastic interest in an intern position at your company. As a dedicated student at the University of Cape Town, I am in my third year pursuing a Bachelor of Science degree in Geoinformatics with a major in Computer Science. I am eager to contribute my skills and knowledge to your dynamic team.

In my studies, I achieved high results that have earned my inclusion on the Dean's Merit List 2023 for the Faculty of Engineering and the Built Environment. Notably, I excel in Computer Science courses, obtaining 75% and 78% in Computer Science 1A and 1B, respectively. I am honoured to share that I have been invited to join the prestigious Golden Key International Honour Society, recognising my outstanding academic achievements and commitment to scholarship.

My academic performance forms merely the background to what I would offer to the position. Beyond my academic success, I have independently cultivated my web development skills. I learnt HTML, CSS, and JavaScript in high school, skills I utilised to singlehandedly develop our [Prefect Website](#) at the time. I have since augmented that knowledge by learning Typescript and using the React.js library, which I am applying in two of my current Single-Page Application projects, the [UCT African Feminist Society Archive](#) and Vegilicious, UCT's plant-based society's, Newsletter. I am learning and experimenting with Sass to elevate my CSS skills. Improvement is key. It is a theme that permeates my whole journey as a developer - I pride myself on staying on top of the latest innovations. In June of last year, I was part of a select few students who attended the Deep Learning IndabaX conference that brought together industry professionals and academics who utilise Machine Learning and other forms of AI in their work from all over South Africa. I also follow blogs on Medium Digest such as JavaScript in Plain English and Towards Data Science. I consider myself an eternal learner in the space.

I possess well-honed critical thinking skills. They continue to be transformed and refined through my passion for the art of debate. My aptitude for the disciplines of argumentation and grasping complex ideas I imparted on the Debate team of 20 students I coached for two years. Debate continues to progress my social and communicative skills, skills that enable me to present my thoughts and ideas to others effectively. As an employee, I contributed as a supportive member of the club's leadership team and facilitated our team making it to the Octo-finals of the Cape Town Rotary Debate Competition.

My entrepreneurial spirit has manifested in my decision to tutor privately from 2019 to 2023. Thus, as a self-employed service worker, I've truly learnt what it means to be responsible for the work I produce, to be adaptable, creative with my solutions and most importantly to be self-motivated - persevere despite difficulty. I hold dear and consistently exhibit in all my endeavours.

I am excited about the opportunity to contribute to your company as an intern. Thank you for your consideration. I look forward to the opportunity to discuss how my skills and experiences align with your team's needs.

Kind Regards,
Thandi Matrose

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

SKILLS

Python

JavaScript

HTML

SQL

Java

React.js

CSS + Sass

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 and Toastmasters Course)

Languages

English

Advanced

Afrikaans

Basic

PORTFOLIO

[African Feminist Society Archive](#)

In Progress

Tech: HTML, CSS, Typescript + React.js

My ePortfolio

Completed

Tech: HTML, CSS, Vanilla Javascript

Vegilicious Newsletter Website

In Progress

Tech: HTML, CSS + SASS, Typescript + React.js

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

Second-Year Geomatics Class Representative 2023

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

Educational Coordinator 2024

Vegilicious (Plant-Based Society @ UCT)

Elected to create resources and facilitate discussion space for society members

Co-Leader of Kangaroo Mom Knitting 2019-2020

Knitting blankets for mothers of premature babies at Karl Bremer Hospital

Head Prefect 2020/2021

Elected Head Prefect by high school student body and staff