



ZARA FREDERICKS

software engineer

LinkedIn

[Linked in Link](#)

Portfolio Website

[Portfolio Website Link](#)

Github

[Github link](#)

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Email

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Location

Cape Town, South Africa

Project Experience

Software Engineer Student

2024 – 2025

We Think Code

Toy Robot

Used an iterative programming approach to sort bugs, modularize code to evolve the robot to be able to handle commands and navigate obstacles.

Brownfields: Robot World

Program in an existing codebase to change the functionality of the system, user-initiated changes to the system's behavior and add functionality to execute client commands to the server.

Work Experience

Administrative assistant

2019 – 2021

Zubeyda Malick

- Setup appointments for learners assessments
- Allocated appointments to educational advisors
- Finance administration – managing client payments and staff commissions

Sales assistant

2021 (summer job)

Sportscene

I provided customer service, assisted with product inquiries, and maintained an organized, appealing store. I stay updated on products and promotions to enhance the shopping experience and support team sales goals.

Education

Software Development

2024 – 2025

WeThinkCode

Currently enrolled in a rigorous, peer-to-peer learning program focused on full-stack software development. Gaining hands-on experience in programming, algorithms, data structures, and collaborative problem-solving through project-based learning.

Highschool

2015 – 2022

Home school

Home schooled during high school (Cambridge curriculum). Completed AS Level examinations. Developed strong self-discipline, independent learning skills, and academic initiative.

About Me

I'm a software engineering student passionate about learning, creative problem-solving, and thoughtful design. I love building intuitive, user-focused solutions and exploring new technologies.

Technical Skills

- Python
- Java
- Agile
- CI/CD
- SQL
- Canva Design

Soft Skills

- Systems Thinking
- Technical Empathy
- Attention to Detail
- Resourcefulness
- Inclusive Teamwork

Volunteer Jobs

Jan 2025 | WeThinkCode_

WomenThinkCode_ Chairwomen Cpt

Sept 2024 | WeThinkCode_

Secretary of Student Social Wellness