

Jo Busser

London, United Kingdom
[Website](#) · [LinkedIn](#) · [GitHub](#)

SOFTWARE ENGINEER

A confident computer science graduate with a passion for all things learning and impact.

SKILLS

Java	Data structures	Public speaking
Python	Algorithms	Analytics
C/C#	OOP	Leadership
Unity	Git	Adaptability
Unit Testing	Machine Learning	Critical Thinking
JavaScript/TypeScript	Deep Learning	Research
Node/Express	Swarm-based optimisation	Mentoring
React	Game Development	Communication
SQL/NoSQL	Frontend/Backend	Social Impact

EXPERIENCE

Research

Jan 2023 - Nov 2023

Mapping the South African research landscape using BERTopic

- Leveraged **Large Language Models** (LLMs) on developing a state-of-the-art topic modelling technique to cluster 156,255 research papers.
- Compared the **deep learning** approach to a conventional graph theory approach.
- Proposed method was superior, contributing to future research in science mapping.

Sozo Labs

Dec 2022 - Jan 2023

Game development

- Worked at a startup that specializes in gamification, augmented reality, and **virtual reality**.
- Created a [free-to-play online video game](#) using **C#** and **Unity**.
- Developed virtual education environments now used by truck mechanics and somatology client-carers to reduce training cost by over 50%.
- Shadowed project, business strategy, and marketing meetings.

Sep 2021 - Aug 2023

Majuba

Residence leader

- Redesigned the values of student organizations as residence vice-chair to promote inclusivity.
 - Overhaul academic tutorship and a peer **mentorship** program as head mentor reducing the fail rate of inhouse students by 23%.
 - Co-led **leadership** committee meetings; hosted award ceremonies; arranged welcoming programs.
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TOP PROJECTS

EE-Media

- Website solutions homepage.
- Business run by Jo and two others.

Rope for the best

- Designed and implemented a Unity video game
- Posted on open-source platform [itch.io](#)

Training neural networks

- Comparison of neural network training algorithms
- Self-coded networks

EDUCATION

Stellenbosch University

Honours in Computer Science
2024

Stellenbosch University

Bachelor of Computer Science (Cum Lauda)
2022

Southdowns College

A-levels equivalent in South Africa (89%)
2019