

# Jo Busser

+44 7478 557245 · jobusser1@gmail.com

[Website](#) · [LinkedIn](#) · [GitHub](#)

London, United Kingdom

---

## SOFTWARE ENGINEER

A confident computer science graduate with a passion for all things data and social 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.

#### Majuba

Sep 2021 - Aug 2023

##### 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.
- 

### 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

### OTHER

#### Driver's license

Standard

#### Languages

English - native  
Afrikaans - native  
Northern Sotho - native

#### Level 1 first aid

South African certification