



Full-stack developer specializing in crafting scalable and maintainable web applications using JavaScript, React, and Python. I consistently deliver high-quality products within cross-functional teams and thrive in fast-paced, challenging settings.

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## BSC COMPUTER SCIENCE WITH AI

University of Sheffield

Graduated 2023

### DISSERTATION

GRADUATED WITH 2:1 HONOURS

- Developed a gamified crowdsourcing platform prototype featuring three engaging games tailored for data collection of argument structure.
- Delved into the 'game-with-purpose' paradigm, effectively simplifying complex argument mining processes.
- Crafted a dynamic frontend prototype, complemented by a robust backend infrastructure, to ensure seamless user interactions and data management

## YEAR IN INDUSTRY FULL STACK DEVELOPER

ISIS, STFC, UKRI

2021-2022

- Spearheaded the development of an application bridging modern software with legacy hardware through advanced messaging protocols.
- Collaborated on a comprehensive app project as a lead intern, aligning closely with product management and actively contributing to sprint meetings.
- Designed the UX/UI for a high-priority safety alert system, ensuring optimal user interaction and responsiveness.
- Developed a specialized tool for internal hardware discovery to improve workflow efficiency.
- Championed the integration of continuous integration and continuous deployment practices to enhance software delivery.
- Initiated and led efforts in UI testing to ensure application reliability and performance

## GLOBAL ENGINEERING CHALLENGE WEEK

- Played a key role in an interdisciplinary team of six, focusing on innovative transportation solutions.
- Led a comprehensive viability study on Johannesburg's traffic, leading to a transformative approach to bus systems.
- Secured the Professional Presentation Award for delivering the top team report among 14 competing teams.

## RELEVANT UNIVERSITY MODULES

- Software Hut - Served as a team lead for a CRUD project in Ruby on Rails
  - Adaptive Intelligence - Mastered theory and implementation algorithms such as Deep Learning, Q learning, SARSA
  - Modeling and Simulation - Modeled and simulated dynamic systems using Python
  - Data Driven Computing - computer vision with Python
  - Systems Design and Security - Collaborated on a team project for a web application with Ruby
  - Functional Programming - Beginner Haskell programming
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### SKILLS

#### PROFICIENT

- React.js
- Tailwind CSS
- Typescript
- Deno and Node.js backend
- Python, Numpy, Pandas
- Docker
- MongoDB
- PostgreSQL
- Git, SSH
- SocketIO

#### FAMILIAR

- Cypress CI/CD
- CouchDB
- Haskell
- Java
- Rust
- Go
- Next.js 13

### OTHER ACHIEVEMENTS

- Achieved A-levels equivalent ABB
- Directed high school chemistry club
- Became a finalist of Economics Knowledge Contest 2019 and Statistics Knowledge Contest 2017
- Balanced part time restaurant work in parallel to university studies throughout 2018-2021
- Participated in 5 hackathons, gaining valuable experience in adapting to unfamiliar tech stacks and rapidly prototyping solutions