



# Zenan Shang

## Software Engineer

I recently graduated from the University of Cape Town with a Bachelor's in Business Science Specializing in Computer Science. My passion for software engineering has led me to diverse experiences in both frontend and backend development, contributing to projects across various platforms and organizations. I look forward to challenges and collaboration, and I bring forth a positive and dedicated attitude to every task I am working on.

## Contact

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## Education

2024

**Bachelors of Business Science**  
**Specializes in Computer Science**  
University of Cape Town

## Expertise

- React
- Javascript/Typescript
- Java
- Python
- Postgres
- Unity

## Language

English

Chinese

## Experience

### Jan - March 2024

Syft Analytics

#### Software Engineer

This is an onsite contract-based work, which I have obtained great insight into working with React, Javascript, and Typescript. I was responsible for multiple parts of the Syft Analytics code including the backend permissions to reports, integrating the database to show reports, building new upgrade pages for reports, and styling/bug fixes for the website. My efforts in building new features and optimizing syft directly contributed to a roughly 5% increase in paid user subscriptions during February,

### Jun - Jul 2023

Mohara Venture SA

#### Software Engineer Intern

During my internship, I was exposed to using Flutter to develop a mobile app to provide insight into African football. During the internship, I redesigned many layouts of the pages, and new functionalities and also successfully integrated more live scores views from league teams in Zimbabwe. Overall, the work experience here consists of a combination of backend integration and frontend redesign work

### Jan 2021 - Nov 2023

University of Cape Town

#### Tutor

This is my first job (contract-based) during my study at UCT. I was responsible for multiple courses including computer science, information systems, finance, and tax. The role includes tutoring and preparing tests and exams for the students, maintaining the students' overall well-being, and monitoring the students' performance.

## PROJECTS

### 2023

#### VRAWE

This was my final year project during my studies at UCT, I received a model and needed to create a virtual environment to study the relationship between awe and VR by immersing users in it. For this project, I touched both Blender and Unity. Blender for modeling and Unity for virtual reality. The outcome of this project was very successful, and the reports are public and can be viewed by anyone when visiting the UCT Computer Science Honor Projects website

## 2022

### Public Transport Journey Planner

This project aimed at enhancing the efficiency and user experience of Cape Town's metro system. My team and I designed and developed a website that provides the most optimal route in time to travel from point A to B. The challenge of this project lies in integrating data from pdf to database and finding the shortest time route for both direct and transfer routes. I was involved in developing the backend of this project from integration to finding the shortest path.

## ACHIEVEMENT

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### 2023

#### SDG Challenge SA

This is a 3-month challenge aimed at working together to solve the Sustainable Development Goals (SDGs) of the United Nations (UN). UCT was presented with the challenge of promoting gender equality in investing. My role mainly evolved around transforming raw data into insightful graphs. We proposed 3 strategies in our final presentation with a 50-page report backing our idea. We secured second place in the challenge alongside the strategies being implemented by the firm after the challenge.

### 2023

#### Prescient Coding Challenge

This was a challenge in building a model forecasting future stock trends. I developed a machine learning model(LSTM) to forecast the stocks. The AI model had an average result of a 50% return on investment over 10 years after testing. My model was honorary mentioned by Prescient after the challenge

## HOBBIES

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- Audiobooks
- Game development
- Piano
- Technology
- Cardio

## Reference

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