Michael Chinyama

Software Engineer

Final year Computer Science student keen on immersing myself into the industry to gain relevant work experience

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waveyboym.github.io

PROJECTS

Personal website: https://waveyboym.github.io/projects (showcases all my projects)

Desktop music player

- Developed a cross-platform music players that can play local music
- Made use of concurrency for various things such as image processing, scanning directories and playing songs
- Made use of GitHub for CI/CD and version control.
- Adhered to standard guidelines for large project file organization to allow for ease of navigation
- The application includes usage of Tauri, Rust and SCSS.
- website link: muzik-apps

Desktop chat application

- Developed a desktop chat application (MacOS, Windows, Linux) that allows users to send messages to each other privately or in rooms.
- Made use of Figma to be design conscious and designed the UI with the user experience in mind before implementing the design in code.
- To develop this application, Tauri and Rust, React with Vite, SCSS for styling and firebase for management of users and messages.
- Repository link: Chat-App

Interpreter

- Created a basic interpreter that can scan, parse and construct an abstract syntax tree before interpreting and executing a programming language.
- Added the ability to process from basic data types up to control flow (while, if, for statements)
- Added documentation to allow for ease of access when trying to familiarize oneself with the project
- The main programming language used was C++11
- Repository link: Interpreter

Student Database Management System

- Developed a desktop application with the backend making use a b-plus tree data structure for the database and the UI making use of HTML and CSS
- Implemented application with Java, JavaFX, HTML, CSS, JavaScript
- Repository link: database management system

HARD SKILLS

ASSEMBLY
C/ C++
C#
GOLANG
HTML, JAVASCRIPT, CSS
JAVA
SQL
PHP
PYTHON
RUST
TYPESCRIPT

EDUCATION

University of Pretoria

BSc Computer Science

March 2021 – December 2021

March 2023 – November 2024

Pretoria, Gauteng

KEY SKILLS

- COMMUNICATION
- TEAM WORK
- PROGRAMMING