

KIAN LAK

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EDUCATION

The University of Texas at Dallas

Aug 2019 - May 2023

Bachelors of Science in Computer Science | GPA 3.717

Relevant Coursework: Discrete Math I & II, Computer Architecture, Computer Science I & II, C/C++ Programming in a Unix Environment, Advanced Algorithm Design & Analysis, Computer Networks, Software Engineering. Database Systems, Introduction to Machine Learning

SKILLS

Languages: Java, C/C++, HTML/CSS, Javascript, TypeScript, Python

Technologies: React, Git/Github

Software: Windows, Linux/UNIX, VS Code

EXPERIENCE

Zeal IT Consultants | *Software Engineer Intern*

May 2021 - Aug 2021

- Developed a private chat implementing the Socket.IO client library using React to keep a private conversation between specified users
- Developed and contributed to front end development of Zeal IT Consultants websites
- Led a team to implement the SpotifyAPI into our application and retrieved JSON files to extract necessary data
- Created an algorithm based on vector distances to decide most relevant tracks from a playlist based on users search criteria

PROJECTS

Github Portfolio Page | *Javascript, HTML/CSS*

- Developed a portfolio website from scratch using HTML/CSS and Javascript

Programming Language | *Java*

- Developed a Compiler to read source code and translate to tokens
- Developed a Lexical Analyzer to read tokens and check for syntax faults
- Developed an Interpreter to print out results of the program

Weather Bot | *Java, PircBot, WeatherAPI*

- Used a REST API implemented with the WeatherAPI to return information based on user input
- Implemented PircBot to respond to certain command calls

Socket Chat | *Python*

- Developed a socket based private chat with client-server connections and UDP TCP transports
- Implemented A3 and A8 encryptions and decryptions for messages