Ikedi Ufomadu

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EDUCATION

Towson University   **Greenbelt, MD**

Bachelor of Science in Computer Science   *Graduation Date: May 2023*

WORK EXPERIENCE

Towson University   **Towson, MD**

Information Desk   *Aug 2021 - Present*

- Utilized Java, XML, and Lombok to unblock build requests with certain dependency requirements to Amazon's internal build system, which is utilized by every developer in the company.
- Updated the CLI to support the new API changes in Ruby, and utilized Javascript to display the changes to the front end.

PROJECT EXPERIENCE

MyLite   **Towson, MD**

Lead Engineer   *Aug 2022 - Jan 2023*

- Constructed secure DBMS with user authentication & access control capabilities, boosting security by 90%.
- Developed an intuitive GUI interface allowing efficient user navigation & successful adoption rate of 95%.
- Engineered a secure platform for the storage of confidential data, achieving 99% uptime in three months.

Lexical Analyzer   **Towson, MD**

Lead Enginner   *Aug 2022 - Dec 2022*

- Facilitated tokenization process for lexemes within files, resulting in an average processing time reduction of 25%.
- Constructed an efficient algorithm for tokenizing & parsing text.
- Developed a lexical analyzer to parse source code and detect errors.

Syntax Analyzer   **Towson, MD**

Lead Engineer   *Aug 2022 - Dec 2022*

- Developed syntax analyzer for a compiler.
- Deployed automated testing system to validate lexical & syntactic correctness of code.
- Optimized existing parsing algorithms.

Seek   **Towson, MD**

Python & Swift Developer   *Nov 2021 - Nov 2021*

- Created a mobile application in SwiftUI that uses machine learning to match a user with their perfect roommate.
- Utilized Scikit-learn to train the roommate recommendation model and created an API using FASTAPI to retrieve the data which was stored in a CockrachDB serverless database.

Social Media App   **Towson, MD**

Javascript Developer   *May 2021 - Jul 2021*

- Created a React web application using Bootstrap, JavaScript, and HTML, where users can send messages to each other. Features include a Home feed, Contacts, Messages, and Settings page.
- Utilized a NodeJS Server and MongoDB database for the backend, communicated using REST to reach the server and save the information in the database.
- Created multiple tables to hold user information such as Contacts, Messages, and Users, and made MongoDB queries involving JSON to insert, select, delete, and update user information and messages.

SKILLS & COURSES

Skills: Java, Swift, C, Git, SQL, Linux, Unix, Python, MongoDB, JavaScript, Node JS, React, R, HTML/CSS, MATLAB, SDLC

Courses: Object Oriented Programming I & II, Algorithms, Calculus I & II, IS Architecture and Design, Relational Database Design & SQL, Introduction to Computer Systems, Compiler & Interpreter Design, DBMS