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Victor Ezendu

Objective

Recent computer science graduate with a strong academic background and practical experience seeking an entry-level position to apply technical skills and contribute to innovative projects in the field of computer science.

Education

Bachelor of Science in Computer Science
University of Manitoba, Winnipeg, Manitoba.
Graduation date: 04-2024

Personal Projects

Multi-threaded Web Server Development (Python)

- Development of a multi-threaded web server in Python capable of retrieving files from a filesystem by accepting GET and HEAD HTTP requests.
- Implemented threading to handle multiple client connections concurrently, optimizing server performance and responsiveness.

Twitter-Like API Development (Python, JavaScript)

- created a Twitter-like API multi-threaded web server.
- Integrated a two-phase commit (2PC) database system to enable dynamic web content retrieval.
- Utilized JavaScript's XMLHttpRequest tool for user authentication, tweet retrieval, posting, and updating functionalities.

Blockchain Peer Development (Python)

- Designed and developed a blockchain peer using Python for storing messages in blocks.
- Utilized UDP to send messages to peers in the network, facilitating decentralized communication.
- Implemented consensus algorithms between blocks from other peers through UDP communication to agree on and validate the blockchain.

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Skills

- **Programming Languages** – Python, Java, C++, C, SQL, HTML, Assembly, JavaScript, Prolog.
- **Tools and Technologies** - Git, GitHub, Android Studio, MySQL, HSQL, VsCode, DB Browser, Eclipse, IntelliJ IDEA.
- **Frameworks and Libraries** - Flutter, jQuery, Chart.js, Bootstrap, Indexed DB, Java Swing.
- **Familiarity with Agile methods.**

Relevant Coursework

- Data Structures and Algorithm.
- Object-Oriented Programming.
- Database Implementation 1 & 2.
- Software Engineering.
- Operating System.
- Distributed Computing.
- Intro to AI

Group Projects

University of Manitoba – Application Development

- Designed and formatted pages of food tracking app using Android Studio Code.
- Used JAVA to write methods for page functionalities and unit tests.
- Worked together with teammates to implement HSQL database for storing food and exercise data.
- Responsible for writing multiple SQL queries and methods to utilize database in application.
- Used GitHub for effective collaboration.
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University of Manitoba - Database Programming

- Worked together with 3 students to create java Graphical User Interface for navigating video game database.
- Worked together to acquire data Set, merge tables, create relational model, find functional dependencies, and normalize data set.
- Responsible for writing and optimizing SQL queries for database.
- Used Java Swing package to create GUI for selecting and running queries on database.
- For more info: Click Here.

University of Manitoba - Website Prototype Development

- Worked together with 3 students to create a high-fidelity user website prototype.
- Used bootstrap, jQuery, Chart.js to design website and Indexed DB to store data.
- Tested prototype with random individuals, received feedback and made deviations to website design for better product.
- For more info: Click Here.