FESTUS OSAYI

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Education

Seneca College, Toronto   **Aug 2023**
Associate Degree in Computer Science
- **Coursework**: Web Development Foundations, Distributed Systems, Data Structures, OOP, Database Design
- **Involvement:** Seneca Science & Technology Guild**,** Board Game Club

Experience

Allwood Products Ltd, Vaughan, ON   **Nov 2022 – Jul 2023**
Frontend Developer Intern
- Increased user satisfaction by 15% by collaborating with the design team to redevelop the company's e-commerce platform using modern JavaScript toolsets and React
- Worked on front-end with HTML5, CSS3, React, NextJS, JavaScript/TypeScript, GraphQl(URQLClient), Styled- Components, Bootstrap and AWS S3 Services, used by over 20,000 users
- Documented API best practices in React, improving the code's overall quality and load time
- Pioneered a comprehensive integration/units with Jest and testing library, and E2E test with Cypress
- Contributed to daily team meetings, sprint planning, and retrospectives, supporting agile development processes using project management tools like Jira, Trello, and Microsoft Teams.

Projects

The Ping Pong Game | Python, Turtle Graphic
- Designed a classic tic-tac-toe game with Python and the Turtle graphics package
- Developed user-friendly controls for paddle movement and realistic ball physics, resulting in a 20% increase in user engagement.
- Demonstrates proficiency in Python programming, game design, and graphics library application

E-commerce Front App | NextJS, MongoDB, Styled-component, NodeJS
- Created a customer-centric e-commerce front web app utilizing Next.js, NodeJS, and MongoDB
- Styled-component CSS was used for effective styling, resulting in a 25% improvement in app performance
- Engineered a user-friendly shopping cart, using context provider to manage the application state effectively
- Integrated Amazon S3 Services for image processing, upload, and retrieval

Blog Post Web App | ExpressJS, NodeJS, Boostrap, Handlebars, PostgreSQL
- Developed a full-stack blog post web app using JavaScript, Express JS, Node JS, and MongoDB
- Built the web app using the Bootstrap framework for effective styling and responsiveness
- Managed the data storage efficiently, leading to a 20% improvement in database query performance

Assembly Line Simulation | C++
- Utilized C++ to create a simulation of an assembly line station, optimizing key features of parallelism and real-time processing
- Achieved a 15% improvement in simulation efficiency through optimization techniques

Skills

- **Web Development**: JavaScript, HTML5, CSS3, Rest APIs, JSON, GraphQL
- **Programming Languages**: JavaScript, Python, C, C++
- **Frameworks & Libraries**: React, Node.js, Express.js, Next.js, Tailwind CSS, Bootstrap
- **Databases**: Oracle, PostgreSQL, MongoDB, MySQL
- **Cloud Services**: Google cloud platform (GCP), Amazon web services (AWS), Vercel
- **Unit Testing & Build Tools**: Jest, Cypress, React testing library, Webpack, Enzyme
- **Collaborative Tools**: Git, Bitbucket, Jira, Trello, Microsoft Teams