

FESTUS OSAYI

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Education

Seneca College, Toronto

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Associate Degree in Computer Science

- **Coursework:** Web Development Foundations, Distributed Systems, Data Structures, OOP, Database Design

Projects

The Ping Pong Game | Python, Turtle Graphic| [Github]

- Designed a classic tic-tac-toe game with Python and the Turtle graphics package
- Implemented 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 | [Github]

- Created a customer-centric e-commerce front web app utilizing Next.js, Node.js, 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, Bootstrap, Handlebars, PostgreSQL [Github]

- 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++ | [Github]

- 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:** Node.js, Express.js, React.js, Next.js, Tailwind CSS, Git, 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
- **Version Controls:** Git, GitHub, Bitbucket
- **Productivity App:** Microsoft Office, Jira, Trello

Highlight of qualifications

- Great interpersonal skills
- Strong problem-solving skills with a precise, independent, and systematic approach to tackling challenges
- Proven ability to analyze complex problems and develop effective solutions.
- Team player, and with strong communication skills, both verbal and written
- Constant learning and staying on top of industry trends