FESTUS OSAYI

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# Educa�on

**Seneca College,** Toronto **Aug 2023**

*Associate Degree in Computer Science*

* **Coursework**: Web Development Founda�ons, 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 sa�sfac�on by 15% by collabora�ng with the design team to redevelop the company’s e-

commerce pla�orm 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 prac�ces in React, improving the code's overall quality and load �me
* Pioneered a comprehensive integra�on/units with Jest and tes�ng library, and E2E test with Cypress
* Contributed to daily team mee�ngs, sprint planning, and retrospec�ves, suppor�ng agile development processes using project management tools like Jira, Trello, and Microso� Teams.

# Projects

**The Ping Pong Game** | Python, Turtle Graphic

* Designed a classic �c-tac-toe game with Python and the Turtle graphics package
* Developed user-friendly controls for paddle movement and realis�c ball physics, resul�ng in a 20%

increase in user engagement.

* Demonstrates proﬁciency in Python programming, game design, and graphics library applica�on

**E-commerce Front App** | NextJS, MongoDB, Styled-component, NodeJS

* Created a customer-centric e-commerce front web app u�lizing Next.js, NodeJS, and MongoDB
* Styled-component CSS was used for eﬀec�ve styling, resul�ng in a 25% improvement in app performance
* Engineered a user-friendly shopping cart, using context provider to manage the applica�on state eﬀec�vely
* 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 eﬀec�ve styling and responsiveness
* Managed the data storage eﬃciently, leading to a 20% improvement in database query performance

**Assembly Line Simula�on** | C++

* U�lized C++ to create a simula�on of an assembly line sta�on, op�mizing key features of parallelism and

real-�me processing

* Achieved a 15% improvement in simula�on eﬃciency through op�miza�on 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 pla�orm (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