

Chinedu Obi

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EDUCATION

Memorial University of Newfoundland

Bachelor of Computer Engineering

Verafin Inc. Computer Engineering Scholarship Fall 2022 Semester

Coursework: Computer Architecture; Data Structures, Microprocessors Algorithms; Security, Mining data

St. John's, NL

Expected May 2026

WORK EXPERIENCE

Angler Solutions Inc.

Software Development Co-op

St. John's, NL

Sept 2025 – Dec 2025

- Built and deployed MESO energy optimization software using **FastAPI (Python)** backend and **Nuxt.js/Vue.js** frontend for real-time data visualization and scenario modeling.
- Designed and integrated **RESTful APIs** connecting simulation models, databases, and UI components to enable scalable, asynchronous computation workflows.
- Deployed and maintained cloud infrastructure on **AWS (EC2, S3, Lambda, RDS)** ensuring high performance, availability, and cost efficiency.

CoLab Software.

Software Development Co-op

St. John's, NL

Jan 2025 – May 2025

- Developed and optimized frontend features using **React** and **GraphQL (Apollo)**, enhancing collaboration tools for engineering teams
- Built and maintained backend services in **Python (Flask)**, improving API performance and data handling.
- Used **Datadog** for application monitoring, reducing bug detection time and improving system reliability.
- Contributed to **code reviews, unit testing**, and deployment pipelines, ensuring high code quality and smooth releases.

Copsys Technologies Inc.

Project Engineer Co-op

St. John's, NL

May 2024 – Aug 2024

- Contributed to the Copsys Intelligent Digital Skin (CIDS) commercialization by supporting project planning and execution using **Microsoft Project** and Excel. •
- Assisted in developing AI-driven predictive maintenance applications with **Python** and collaborated on cloud data integration using **Microsoft Azure**.

UNIVERSITY PROJECTS

AI-Assisted Analog Circuit Design Optimization Platform

September 2025 - Present

- Built an AI-assisted analog circuit design platform that combines a fine-tuned large language model with numerical surrogate models to interpret design requirements and rapidly predict circuit performance, reducing reliance on iterative SPICE simulations.

ACTIVITIES

Paradigm Hyperloop

Software Engineer

St. John's, NL

Sep 2022 – Present

- Developed and implemented ROS2 Path finders using C++ and Python, to develop efficient algorithms for the hyperloop to detect obstacles and objects.

ADDITIONAL

Technical Skills: Advanced in Python, C++, Java, HTML/CSS, JavaScript, React.js, MATLAB, SQL, Verilog, Assembly Code, C#, Figma, Debugging