

ELINE-ELORM AWO NUVIADENU, EIT

elinenuviadenu38@gmail.com | +1(343)9882009 | LinkedIn : [Eline Nuviadenu](#) | GitHub: [elineelorm](#) | [Personal Site](#)

EDUCATION

Bachelor of Engineering, Computer Systems | Distinction - CGPA: 3.62/4.00 **September 2019 – June 2023**

Carleton University, Ottawa, ON

- **Dean's Honor List** (2020, 2023); Richard J. Van Loon Scholarship (2022); Claude Bissell Scholarship (2021); Entrance Scholarship (2019)

SKILLS

Programming Languages: Python, C, Java, JavaScript, PHP, SQL, Scikit-learn, Assembly Language

Web Development: HTML, CSS, React, Bootstrap, MongoDB, Firebase

Version Control: Git, GitHub

Interpersonal: Communication, Leadership & Mentoring, Teamwork, Critical Thinking, Time Management

RELEVANT EXPERIENCES, COURSEWORK AND PROJECTS

Program Manager | EverythingAI Coding Association | Edmonton, AB **June 2024 – Present**

- Overseeing the creation of engaging programming lessons for children aged 7-16, the design and development of the LMS and company website, ensuring alignment with best practices and stakeholder expectations.
- Utilizing tools such as **Trello**, **Slack**, and Google Sheets to streamline project workflows, conduct regular check-ins, facilitate effective team communication and progress tracking.
- Formulating comprehensive project plans and social media strategies to increase student enrollment, improve user engagement, and boost social media interaction.

Machine Learning Engineer | Capstone | Carleton University, ON **September 2022 – April 2023**

- Led a team of 4 engineering peers on an ML based project that leveraged **thermal energy images** to support individuals with cognitive disorders.
- Utilized **logistic regression algorithm** with **K-fold cross validation** to achieve **93% accuracy** in distinguishing between the frying and boiling cooking methods.
- Designed a logo and a **React based web application** that sends notifications to relatives and caretakers when a stove use is deemed unsafe.

Robotics & Software Developer | Carleton University, ON **January 2022 – December 2022**

- Integrated **PySerial** communication between **Arduino** and **Raspberry Pi** to enable seamless data exchange in the 'Household Fire-fighting and Extinguisher Robot' (FiWER).
- Implemented **live streaming** and **data cleaning** features to facilitate real time communication of FiWER.
- Engineered an Autonomous Snow Plow robot using **IOT** systems, leveraging **IR**, **LiDAR**, and **ultrasonic sensors** for **real-time data processing** which achieved a 25% increase in precision through integrated sensor interfaces for **precise mapping** and **obstacle detection**.

Teaching Assistant | C Language | Carleton University, ON **June 2021 – September 2021**

- Developed tutorial videos on **C Programming** concepts tailored for graduate students, raising user engagement.
- Designed chapter quizzes based on Introduction to **Systems Programming** (SYSC 4006) content.
- Collaborated with the SYSC professor by researching and curating course materials to improve student grades.

Google Software Product Developer | Google | Remote **May 2021 – August 2021**

- Designed and implemented a **Mental Health App** using **HTML**, **CSS**, **Java**, and **JavaScript**, leveraging various **GCP APIs** with a team at Google.
- Developed and deployed a portfolio of work using **Google App Engine**.
- Conducted code reviews, contributed to open-source software using **Git** and **GitHub**, and participated in distributed development.

VOLUNTEER EXPERIENCE AND EXTRACURRICULAR ACTIVITIES

STEM Diploma Tutor | Calgary, AB **September 2023 – June 2024**

- Tutoring high school students in AP Physics and AP Mathematics in preparation for diplomas and STEM majors.

Software Lead | ESDC | Carleton University, ON **September 2021 – April 2023**

- Led a team of 42 students using **agile methodology** to design and develop a website for the Electric Self Driving Car (ESDC) Club, leveraging tools such as **HTML**, **CSS**, and **Bootstrap**. This was part of an effort to initiate the club's online presence.