

ELINE-ELORM AWO NUVIADENU

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EDUCATION

Bachelor of Engineering, Computer Systems

September 2019 – June 2023 (Expected)

Carleton University, Ottawa, ON

- Third year standing
- Claude Bissell Scholarship 2020/2021
- Dean's Honor List 2019/2020
- Entrance Scholarship 2019/2020

SKILLS

Technical: Python, C, Java, JavaScript, HTML, CSS, Full-Stack Development, Adobe XD, Git, GitHub

RELEVANT EXPERIENCES, COURSEWORK AND PROJECTS

Fire Warden and Extinguisher Robot | Carleton University, ON

January 2022 – April 2022

- Created a *GitHub* repository to store and keep track of all project updates
- Utilized Adobe XD to design a prototype android application interface for the project
- Interfaced Arduino and Raspberry Pi together using PySerial communication allowing the arduino to act on commands from the raspberry pi
- Wrote code to activate live streaming on start-up and to delete information from a database periodically

Students as Partners Program (SaPP) | Carleton University, ON

June 2021 – September 2021

- Created series of tutorial videos on *C Programming* concepts tailored for graduate students
- Designed quizzes on Brightspace based on content for Introduction to Systems Programming (SYSC 4006)

Software Product Sprint Participant | Google | Calgary, AB

May 2021 – August 2021

- Developed and deployed a personal portfolio using Google App Engine
- Collaborated with a peer to design and implement a Mental Health App using *HTML*, *CSS*, *Java*, and *JavaScript*, leveraging various Google Cloud Platform APIs, including App Engine and Datastore
- Applied good industry practices like conducting code reviews, contributing to open-source software using Git and GitHub, and participating in distributed development

E-Commerce Application | Carleton University, ON

January 2021 – April 2021

- Implemented the functions and attributes of a store (Store view, Inventory, Products, Store Manager) in *Java*
- Designed UML diagrams to better interpret the relationships between classes
- Integrated JUnit tests and throws to catch potential bugs
- Refactored written code to create a better graphical user interface

Web Design Project | Thankful Hearts NGO | Accra, GH

December 2020 – Present

- Designed a basic user interface template for the Thankful Hearts NGO website
- Created a new React project and Git repository to enable easy collaboration between partners
- Used *JavaScript*, *CSS*, and *HTML* to create the header files and body for the landing page of the website and deployed it using Firebase

Picture Filter Project | Carleton University, ON

September 2019 – December 2019

- Scheduled and prioritized tasks in order of urgency to ensure deadlines were met
- Designed functions using the knowledge of pixels in *Python* to edit images with various filters
- Implemented tests to verify the functionality of the filters created

VOLUNTEER EXPERIENCE AND EXTRA-CURRICULAR ACTIVITIES

Software Lead | Electric Self Driving Car (ESDC) | Carleton University, ON

September 2021 – Present

- Facilitated group discussions into website development
- Created the basic functionalities for the club website using *CSS*, *HTML*, and *JavaScript*

Peer Mentor | Carleton University, ON

June 2020 – October 2020

- Participated in a LivingWorks Start course to learn about communicating and helping people battling with suicidal tendencies
- Mentored 6 incoming freshmen to help them transition into university experience

Science and Mathematics Tutor | Brain Power Academy | Accra, GH

September 2015 - June 2019

- Streamlined academic concepts through group activities to promote learning and understanding amongst remedial high school students to improve their grades in order to further their education