Emmanuel Mireku

Software Developer

PERSONAL INFO

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Portfolio:

Emire1.github.io

EDUCATION

SUNY at Brockport - May 2020

BS in Computer Science

(Software Developer Track)

Minor in Graphic Design

COURSEWORK

UNDERGRADUATE

Programming Fundamentals, Unix Tools, Algorithms and Data Structures, Intro to Artificial Intelligence, Networking, Typography, Graphic Design, Photography

SKILLS

PROGRAMMING

Competent: JavaScript, Java, CSS, HTML, Python.

Familiar: R, Express, Node JS, MIPS, C, MongoDB, React JS

DESIGNING

Competent: Illustrator, Photoshop, InDesign

AWARDS

2020 — Certificate for Research Achievement

2020 — Walmart employee of the Month

EXPERIENCE

BROCKPORT LITS | IT SUPPORT SPECIALIST

Sep 2017 — May 2020 | Brockport, NY

- Configured hardware, devices, and software to set up work stations for employees.
- Responded to support request from end-users and patiently walked individuals through basic troubleshooting tasks.
- Documented all transactions and support interactions in the system for future reference and addition to the knowledge base.
- Followed up with clients to verify optimal customer satisfaction following support engagement and problem resolution.

WALMART | ELECTRONICS SALES ASSOCIATE

May 2019 — Jul 2020 | Brockport, NY

- Helped customers complete purchases, locate items and join reward programs to promote loyalty, satisfaction and sales numbers.
- Answered questions about store policies and concerns to support positive customer experience.
- Listened to customers needs and desires to identify and recommended optimal products.

RESEARCH

AI-POWERED GUI ATTACK AND ITS DEFENSIVE METHODS | STUDENT RESEARCHER

May 2019 — Dec 2019 | Brockport, NY

Worked with Prof. Ning Yu, Zachary Tuttle, and Carl Jake Thurnau to create an AI program which recognize browser icons to attack websites and demonstrate how to defend the attack. My role was to use the API created by Zachary to execute the attack.

PROJECTS

COLOR GENERATOR

The purpose of this project is to manipulate colors, generate random colors with its respective name and CSS code. It utilizes a fetch request to another API (color) to find the name for a specific color. The project was created with Node JS and Pug JS with UI Kit frame work for the UI.

BROWSER DETECTOR API

This project was created with Python, OpenCV, pyautogui, and imutils. The purpose of this project is to create a detector for browsers on a user's screen. The browsers to be detected are chrome, firefox, edge and opera.

STICKY NOTE

I created this project with react JS. This project is a sticky note app that allows a user to create a sticky note, update it and delete.

PUBLICATIONS

Ning Yu, Zachary Tuttle, Carl Jake Thurnau, and Emmanuel Mireku. 2020. AI-Powered GUI Attack and Its Defensive Methods. In *Proceedings of the 2020 ACM Southeast Conference* (*ACM SE '20*). Association for Computing Machinery, New York, NY, USA, 79–86. DOI:https://doi.org/10.1145/3374135.3385270