

EMMANUEL MIREKU

emmanuel-mireku.github.io | mireku.emman@gmail.com | 929 600 1915 | linkedin.com/in/emire1/

CAREER OBJECTIVE

Recent graduate with an BS in Computer Science looking to leverage my experience building responsive and scalable web apps to solve interesting problems that delight end-users.

EDUCATION

State University of New York at Brockport, Bachelor of Computer Science Sept 2015 - May 2020

- **Minored in Graphic Design**
- **Served as Community Liason for Girl Up club** May 2019 - May 2020

SKILLS

Languages: JavaScript(3/5), HTML(3/5), CSS(3/5), SQLite(3/5), Java(2/5)

Frontend: React(2/5), Bootstrap(3/5), Sass(2/5), UIKit(2/5)

Backend: Node(2/5), MongoDB(2/5), Firebase(2/5), Appscript

Terminal : PowerShell, Windows Command Prompt, Git Bash, LINUX/UNIX

Design Tools: XD, Illustrator, Indesign

Others: Git, Visual Studio, Postman, NPM, IntelliJ Idea, WordPress

EXPERIENCE

BOCES/Insight Global, Junior Network Specialist Apr 2021 - Present

Work in a BOCES IT team that is based in Hastings on Hudson schools district and we manage the district IT operations. We **resolve** issues such as networking issues, hardware and software issues as well.

- **Wrote a chrome extension**, and **google sheets** add-on that allowed our team to keep track of students that borrowed chromebooks. Initially chromebook loaners were tracked by pen and paper. Students would take out chromebooks and would not return them. But after the script we were able to automate a process where after 4:00 PM the script will disable the chromebooks that were not returned with the **Google Admin SDK API and Google App Script**, which enforced students to return them. **Saved** us a lot of time with keeping track of all students who borrowed chromebooks and kept our inventory up to date.
- **Automated** deprovisioning of chromebooks with **Google Admin SDK API** by just scanning the serial number of the chromebook. The **script** will deprovision a chromebook and will also move it to its designated OU.
- Utilized powershell to send up group policy updates to computers in Active Directory.

SUNY at Brockport Dpt. of Computer Science, Undergrad Researcher, May 2019 - Dec 2019

Publication: <https://doi.org/10.1145/3374135.3385270>

A research team of three students Zachary Tuttle, Carl Thurnau, and I with professor Ning Yu focusing on AI-powered GUI attack and Their defensive methods. We utilized **TensorFlow Python**, **OpenCV**, and **PYAutoGUI**, **Numpy** libraries to build an AI API that can detect web browser icons and attack victims by logging them into their blackboard to send a group email. My role was to:

- **Desing a UML diagram** for executing the attack with the browser detector API.
- **Utilize OpenCV**, **Imutils**, and **PYAutoGUI** to execute the attack once a browser was detected on a victim's computer.

SIDE PROJECTS

Stack Data Structure Demo, August 2020

Live demo: <https://emmanuel-mireku.github.io/stack-app/>

- A frontend application to imitate and demonstrate how the stack data structure works with all the methods associated with the data structure such as the pop and push methods.
- Created with plain **HTML**, **CSS**, and **JavaScript**.

Sticky Note, Jan, 2019

Live demo: <https://emmanuel-mireku.github.io/sticky-note/>

- Application made with React. It includes features to add/edit/delete sticky notes.
- Quickly bootstrapped with **React** and **react-bootstrap**

Weather App, Jan 2021

Live demo: <https://emmanuel-mireku.github.io/12hour-weather/>

- A React application that allows a user to enter their current location and in return receives a 12 hour weather update. It Makes a request to openweather.org with the current location input. This also allows the user to switch between Fharenheit and Celcius and allows dark mode and light mode for users as well.
- The UI was built with **bootstrap** and **react-bootstrap**.

Excellent references available upon request