Thomas **Nyuma**

COMPUTER SCIENCE STUDENT. · BLACK IN TECH ACTIVIST. · PROBLEM SOLVER.

(239)285-5148 | nyumat18@gmail.com | nyumat.github.io | Nyumat | Nyumat

Education

Oregon State University   *Corvallis, Oregon*
BACHELOR'S OF SCIENCE IN COMPUTER SCIENCE   *Sept. 2020 - Mar. 2024*

   Relevant Coursework – Calculus I , Intro to CS , Discrete Mathematics

Skills

Proficient – Swift, Git, Xcode, C++, Python, C#, HTML, Objective C, CSS, Firebase, Flask, GitHub, Selenium
Familiar – Go, Android Studio, Data Structures and Algorithms, Java, Kotlin, JavaScript, Docker

Projects

TEKN
BLOGGER & MAINTAINER   *Jun. 2020 - Present*
- Launched a personal website through **GitHub Pages** to host my product and engineering-related interest, latest projects, goals, and resume
- Integrated advanced **JavaScript, HTML, and CSS** styling into a Front-End
- Utilized Microsoft Excel and the Google Apps Script to automatically send form submissions to an endpoint, saving **1,000s of minutes** a year

TEKNews
RUNNER-UP HACKATHON SUBMISSION   *Aug. 2020*
- Built a native iOS application in under 24 hours as a submission for the Microsoft Hack for Africa Hackathon
- Integrated **SwiftUI, MVVM** architecture, and calls to the **NewsAPI** to bring the latest COVID-19 news content to the user's fingertips
- Shortened a system that translates **JSON** data asynchronously from every 5 minutes to instantly, bringing only the latest of breaking news
- **Won 2nd place and $200 in prizes for Best Out of the Box idea**

Pathfinding Visualizer
SOLE DEVELOPER   *Aug. 2020 - Sept. 2020*
- Developed a fully-fledged visualization of the A* Search Algorithm in Python, incorporating the **pygame library, priority queue, and grid traversal**
- Tool features place-able nodes, barriers, and a colorful visualization that makes the tool very accessible to Data Structure and Algorithm novices
- Created a YouTube tutorial series tracking each step of the implementation process that **100s of people** have learned from

Honors & Awards

2020	**Runner-Up,** Microsoft Hack For Africa Hackathon	*Microsoft*
2020	**Recipient,** Provost Scholarship	*Oregon St. Univ.*
2018	**Winner,** TopHacker LNHS	*CompSci. Instructor*

Clubs

National Society of Black Engineers   *Region VI*
COLLEGIATE MEMBER   *Sept. 2020 - Present*
- Member of the renowned honor society on a mission to increase the number of Black engineers who excel academically, succeed professionally, and positively impact the community.
- After promoting our chapter to students on campus, our membership increased by **over 300%** in the next week!
- Chapter goes on industry tours, invite companies to give talks on campus, as well as attend conventions/conferences.

Lake Nona Robotics   *Lake Nona High School*
SENIOR CAPTAIN AND CO - FOUNDER   *Sep. 2016 - May. 2020*
- While not under the widely known FIRST circuit, our team was the **only** team in our district to convene independently.
- Mentored and taught new members **Arduino** and how to code in **C++**, in order to be an active contributor to club projects..
- Collaborated with teammates to engineer a 1 on 1 conversation robot which was recognized by Florida Governor **Ron DeSantis** at a conference