

Sinclair Gordon Fuh

Address: Ellicott City, MD 21043 | **Email:** sfuh1@umbc.edu | **Phone:** 571-970-7908

Github Portfolio: <https://brazenkind.github.io/> | **Linkedin:** <https://www.linkedin.com/in/sinclair-fuh/>

Education

M.S. in Computer Science: University of Maryland, Baltimore County | Graduating 2023 December | 3.65 GPA

B.S. in Computer Science/Minor in Mathematics: St. Mary's College of Maryland | Acquired 2019 May

Technical Skills

Programming Languages: Python, C#, Java, Javascript, HTML, CSS, Typescript, XML, Chicken

Web Development: Django, React, React-flow, Webpack, Next.js, Android Studio, AWS, Aframe, PuTTY

AI/Machine Learning: PyTorch, Tensorflow, NLTK, Keras, Pandas

Agile Applications: Git, Gitlab, Github, VirtualBox

Natural Language: Bilingual in English and Mandarin Chinese

Employment History

Web Developer, Devcom Army Research Laboratory

March 2023 – December 2023

- Collaborating with 3 AI researchers to develop, design and present interactive web demos of their work in AI
- Utilizing Django, Webpack to build backend framework of website, and React, React-flow for frontend interactivity
- Integrating projects in Unity to be Web and VR compatible using Aframe

Volunteer UX Designer, UX Rescue

October 2023 – November 2023

- Managing meetings with multi-disciplinary students to identify and solve challenges with company website architecture
- Offering coding consultation to UX designers on what designs are possible and what isn't

Machine Learning Internship, Digitware System Integration Corporation (Taiwan)

May 2018 – August 2018

- Utilized NLTK and Tensorflow to developing neural network to automate customer QA systems
- Worked under a SCRUM framework with an international team
- Wrote Python scripts to translate user queries from English to Mandarin Chinese

Relevant Projects/Coursework

Github Repos to all projects can be found at my Github Portfolio: <https://brazenkind.github.io/> !

Aeroplane: an Android password saver

Spring 2023, Intro to Mobile Computing

- Built a full stack Android app in Android Studio IDE using Java and XML
- Integrated AWS services such as cognito and S3 using Amazon Amplify

AI Wordle Bot

Fall 2022, Principles of Artificial Intelligence

- Designed a wordle-solving agent that achieved a 99% win rate using a decision tree model
- Developed wordle-solving agent using Python and OOP principles

Automatic Sign Language Recognition

Spring 2022, Introduction to Machine Learning

- Implemented LeNet-5 using Pytorch to identify sign language poses with over 99% accuracy
- Researched Yann Lecun et al.'s original proposal (1998) to understand LeNet-5's architecture and how to implement it in Python