

# Sinclair Gordon Fuh

**Linkedin:** <https://www.linkedin.com/in/sinclair-fuh/>

## Education

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

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

## Technical Skills

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**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

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**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

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**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