

EDUCATION

University of Maryland, College Park

B.S. Computer Science, B.S. Mathematics. GPA 3.84

Expected May 2021

College Park, MD

SKILLS

- **Languages:** Python, Java, C, OCaml, R, Matlab, Ruby, Rust, AVR Assembly, SQL, HTML, CSS, Javascript, Bash, Mathematica, GML.
- **Systems/Libraries:** Keras, Flask, Selenium, Jetty, LaTeX, Git, Unix.
- **CodeSignal certified score** of 827 / 850.

EXPERIENCE AND PROJECTS

Amazon SDE Intern (Herndon, VA)

Jun - Aug 2019

- Rebuilding CloudFrontSigner, an internal web service that connects AWS CloudFront to Amazon's central authentication and authorization systems.

Team AIMAR (Artificially Intelligent Medical Assistant Robot)

Aug 2017 - Present

- 4 year research program with the Gemstone Honors College at UMD.
- Developing deep learning algorithms to classify skin lesions and EEGs.
- Programming a robot to communicate with the IBM Watson cloud service.

Human Gait Recognition (Python)

Aug 2018

- Extracts gait features from treadmill videos of the OU-ISIR Gait Database.
- Uses machine learning to match a testing set of 34 subjects with 90% accuracy.

Interment Cemetery Analysis (R)

May 2019

- A project on scraping, visualizing, and modeling Maryland cemetery data.

Elementals (Java)

Aug 2018

- A server-side Minecraft plugin that features role-playing and combat content.

UMD Planner (Python)

Aug 2018

- A full-stack web application that helps UMD students make 4-year plans.

OTHER EXPERIENCE

Teaching Assistant

Aug 2018 - Present

- Held office hours, taught discussion sections, and graded assignments for:
 - CMSC216: C, UNIX, and Assembly.
 - CMSC132: Java and Object-Oriented Programming.

*All projects use HTML/CSS/JS can be accessed from *imkevinkuo.github.io*.

*All project dates indicate last update.