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EDUCATION

University of Maryland, College Park   Expected May 2021
B.S. Computer Science, B.S. Mathematics. GPA 3.84   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, a service that connects AWS CloudFront to Amazon's internal 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.