

EDUCATION

University of Maryland, College Park

B.S. Computer Science & Mathematics, 3.85 GPA

Expected May 2020

College Park, MD

SKILLS

- **Proficient with** Python, Java, C, OCaml, R, HTML, CSS, JS, SQL, LaTeX.
- **Familiar with** Ruby, Rust, Matlab, UNIX, AVR Assembler, Git.
- **CodeSignal Certified Score** of 827 / 850.

RELEVANT EXPERIENCE

Team AIMAR (Artificially Intelligent Medical Assistant Robot) **Aug 2018 - Present**

- 4 year research program with the Gemstone Honors College at UMD.
- Developing diagnosis algorithms for skin images and EEGs.
- Programming a robot to communicate with IBM Watson cloud service.

Human Gait Recognition • Python (OpenCV, Matplotlib, sklearn) **Aug 2017 - Present**

- Processes data from OU-ISIR Gait Database and plots various findings.
- Classifies subjects with 90%+ accuracy from a testing set of 34 candidates.

UMD Planner • Python (Flask), HTML, CSS, JS

Jun 2018 - Aug 2018

- A web app that allows students to fill in an academic plan and check if it fulfills General Education graduation requirements.

Elementals • Java, HTML, CSS, JS

2011 - Aug 2018

- A server-side Minecraft plugin that adds role-playing and combat content.
- Has a feature website with interface and descriptions.*

Cadence • HTML, CSS, JS

Jun 2018 - Aug 2018

- A web app that helps users transcribe music by processing tap rhythms.

Web Automation • Python (TKInter, Selenium), JS

Jun 2018 - Aug 2018

- A program that automates actions in Travian, a browser strategy game.

OTHER EXPERIENCE

CMSC216 Teaching Assistant

Jan 2019 - Present

- Required lower level course on C, UNIX, and Assembly.
- Responsible for teaching a discussion section of 40 students.
- Spent 10 hours per week holding office hours, teaching, and grading.

CMSC132 Mentor

Aug 2018 - Dec 2018

- Required lower level course on Java and Object-Oriented Programming.
- Held 4 office hours a week, helping students 1-on-1 with projects and questions.

*All project links can be accessed from *imkevinkuo.github.io*.