

## 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, Javascript, SQL, LaTeX, Matlab, UNIX.
- **Familiar with** Ruby, Rust, AVR Assembler, Git.
- **CodeSignal certified score** of 827 / 850.

## RELEVANT EXPERIENCE

**Team AIMAR** (Artificially Intelligent Medical Assistant Robot) **Aug 2017 - 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

**Aug 2016 - Aug 2018**

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

**Elementals\*** • Java

**Jun 2011 - Aug 2018**

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

**UMD Planner\*** • Python

**Jun 2018 - Aug 2018**

- Helps UMD students fill in an academic plan and check if it fulfills General Education graduation requirements.

**Travian Tools\*** • Python

**Jun 2018 - Aug 2018**

- Calculates efficiency of actions in Travian, an online strategy game.

**Cadence\***

**Jun 2018 - Aug 2018**

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

## OTHER EXPERIENCE

**CMSC216 Teaching Assistant**

**Jan 2019 - Present**

- Required lower level course on C, UNIX, and Assembly.
- 10 hrs/week holding office hours, teaching a section of 40 students, 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.