

# Elizabeth Perez

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## EDUCATION

**University of Maryland** – College Park, MD Expected May 2024  
Bachelor of Science, Computer Science GPA: 3.6

**Montgomery College** – Rockville, MD May 2022  
Associate of Arts, Computer Science GPA: 3.7  
Associate of Science, Computer Gaming and Simulation

Relevant Coursework: Intro to Computer Systems, Discrete Structures, Algorithms, Game Programming, Linear Algebra, Computer & Network Security, Intro to Artificial Intelligence

## TECHNICAL SKILLS

**Programming Languages:** Advanced Level: C, HTML, CSS, JavaScript; Intermediate Level: Python, Java, C#; Novice Level: Rust, OCaml, Ruby

**Software:** Unity, Linux, Windows, Maya

## EXPERIENCE

**Montgomery Can Code** June 2022 – August 2022 & June 2023 – August 2023  
*Teacher Assistant* Remote

- Taught 135 campers, grades 6-8, to code with Swift Playgrounds
- Guided campers to design an app to solve a real problem for a Montgomery County nonprofit organization and to create their app prototype
- Supervised campers for arrival, lunch, and pick-up for in-person camp
- Monitored chat and presented slides on Zoom for virtual camp
- Assisted campers with any technical issues with login or regarding the camp iPads

**Montgomery College** August 2021 – December 2021  
*STEM Learning Assistant* Remote

- Supported about 25 Computer Science I students by holding two 1-hour open study sessions each week, holding one 1-hour open review session before each exam, and addressing questions the students directed to me
- Assisted 4 students who needed help with setting up their device with Eclipse and Java
- Managed a class Discord server for the students to easily communicate with me and each other
- Presented two chapters of Computer Science I material during two separate class lectures
- Participated in and completed pedagogy training to learn how to professionally communicate with students as a learning assistant and promote active learning

**National Institute of Standards and Technology** January 2021 – August 2021  
*Intern* Remote

- Developed a web-app interface for an autonomous measurement robot that unifies the control and status output for multiple instrument-control servers to allow researchers to focus on the science rather than on coding in everything the robot should do to run the experiments
- Implemented the web-app interface with Python, JavaScript, HTML, and CSS
- Participated in weekly meetings with my research advisor to share my progress with the web-app's development, receive suggestions and feedback, and ask questions

## RELEVANT PROJECTS

**Portfolio Website:** <http://lizziejperez.com/>

**Unity Games:** <https://lizziejperez.itch.io/>