

# Logan Markley

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My Website: [loganmarkley.github.io](https://loganmarkley.github.io)

## EDUCATION

### B.S. - Computer Science

Expected Graduation: May 2025

Missouri University of Science and Technology, Rolla, MO

GPA: 4.0 / 4.0

Relevant Coursework (**taken** or taking):

-Principles of Speech

-Intro to OS's

-Data Structures (C++)

-Theory of Computer Science

-Technical Writing

-Algorithms

-Intro to Computer Networks

-Intro to File Structures and Databases

## EMPLOYMENT

### Student Ambassador - S&T CS Department

April 2023 - Present

- Introduce prospective students to the CS Department via engaging sit-down discussions and a guided tour of the building.
- Provide comprehensive information about courses or extracurriculars as well as addressing any topics or questions.

### Peer Learning Assistant - S&T LEAD Program

September 2022 - Present

- Facilitate small-group tutoring sessions under the Learning Enhancement Across Disciplines Program (LEAD) on campus.
- Collaborate with other PLAs and professors to guide fellow students through Physics I.
- Inspire learning not by giving out solutions but rather through asking questions in order to reinforce the material.

## PROJECTS

### Room Planner - Python

August 2023

- Developed a blueprint-style room planner that allows for precise dimensions and furniture placement using Pygame.

### Snake Game - Python

July 2023

- Used the Pygame library to create the classic Snake game with graphics, sounds, etc.
- Learned the basics of Pygame and game development such as collisions, tile mapping, surfaces, and events.

### Portfolio Website - HTML, CSS, and JavaScript

October 2022

- Built a portfolio website that details distinguishing characteristics and displays career milestones.
- Utilized the styling abilities of CSS and the fundamental aspects of HTML to create a cohesive page with multiple sections.

### Slot Machine - Java

Spring 2020

- Established the foundations of quality code during impressionable high school years with a text-based slot machine.

## EXTRACURRICULAR ACTIVITIES

### Multicopter Robot Student Design Team

Spring 2023

- Produced Python code to process images into usable data via the OpenCV and NumPy libraries.

### Formula Electric SAE Student Design Team

Fall 2022

- Engaged in meetings and brainstorming sessions to plan out the racecar's developments and needs.

### Missouri S&T Honors Academy

Fall 2021 - Present

- Enrolled in Honors Courses which present additional opportunities outside of the classroom such as research.

### Missouri S&T Kummer Vanguard Scholar

Fall 2021 - Present

- Collaborated with other scholars in an effort to analyze and improve certain aspects of Missouri S&T such as the dining hall.

## SKILLS

-Proficient in C++ and Python.

-Able to manage time and prioritize accordingly.

-Able to learn quickly and adapt to changes.

-Experienced in Java, HTML, CSS, and JavaScript.

-Able to thoroughly assist and guide others.

-Able to honestly discuss feedback and issues.