Logan Markley

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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 PLA's 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

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 and CSS *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*
- Created a text-based slot machine that randomly spins through choices and compares each slot to check for winnings.
- Established the foundations of quality coding format, syntax, and readability during impressionable high school years.

EXTRACURRICULAR ACTIVITIES

Multirotor Robot Student Design Team *Spring 2023*
- Built 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 issues.
- Directly worked in a four person sub-team to test code from Arduino IDE using breadboards and microcontrollers.

Missouri S&T Honors Academy *Fall 2021 - Present*
- Enrolled in Honors Courses which present additional opportunities outside of the classroom.

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++.	-Experienced in Java, HTML, CSS, and Python.
-Able to institute hard work and dedication.	-Able to thoroughly assist and guide others.
-Able to learn quickly and adapt to changes.	-Able to honestly discuss feedback and issues.