Peter Snipes
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EDUCATION
Allegheny College, *Meadville, PA*   **Expected Graduation: May 2023**
Bachelor of Science in Computer Science
Minor: Economics

Senior Thesis: "*MathRunner*"
- Conduct an independent research project over the course of two academic semesters that will be written and orally defended before a panel of advisors charged with approving for degree fulfillment
- I developed a 2D procedurally generated math game for children called "MathRunner". I made this game because of the struggles that most kids have in math when growing up. With the increase of screen time since the pandemic began, I came to the conclusion that with this 2D Procedurally Generated game based on color psycology I will be able to cause a huge impact on thesekids life in a very positive way.

Relevant Coursework

Computational Expression, Data Abstraction, Discrete Structures, Computer Organization, Programming Languages, Algorithm Analysis, Software Engineering, Web Development, Robotic Agents, Operating System

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APPLIED COMPUTER SCIENCE EXPERIENCE
Technical Leader - Computer Science Department, *Allegheny College*   **January 2023 - Present**
- Assist 2 departmental professors in building student's competencies in implementing the theory of coding into applied programming through labs
- Main active knowledge of course competencies and skills in order to appropriately assist peers across engagement and completion of labs
- Instruct 20 students per class across a spectrum of topics including coding, analyzing, and developing problem solving skills
- Communicate actively with professor to discuss student engagement and performance including analyzing quality of labs, whether independent or group-oriented work

Mentor - Allegheny Lab for Innovation and Creativity (ALIC), *Allegheny College*   **January 2023 - Present**
- Instruct 40 students, ages 12 - 18, weekly on Fridays across a spectrum of robotics topics including operating Raspberry Pi robots in order to make an efficient program to win weekly challenges
- Independently build raspberry Pi and other materials needed for students throughout the course
- Enhance student's learning and hands on engagement by supervising the processes and sources mentees used to successfully create a fully functional Raspberry Pi program
- Improve and strengthen leadership skills by being able to provide students with high level support in order to effectively complete tasks as assigned by instructor

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COMMUNITY ENGAGEMENT
Member - M.O.C.C.A**,** *Allegheny College*   **Fall 2019 - Present**
- Helped with planning and managing events on campus.
- Gave insight as a member to give a different perspective for the boards meetings.

Volunteer - Black Diamond, *Meadville, PA*   **Spring 2023**
- A space for people to learn about various different issues that impact the Black community in Meadville through unique annual themes!

Volunteer - Service Saturday, *Allegheny College*   **Fall 2019**
- Helped clean up around a womens shelter, remodel their walk way, and clean their outdoors up.

INDEPENDENT PROJECTS
MemoryScanner, Link   **Fall 2022**
- Created a user interface that'll allow you to see whats being ran on your laptop and gives you the voice to terminate the program if need be.

MathRunner, **Link**   **Yearly 2022-23**
- Educational math game that will help kids with addition and subtraction.

Team 7, Link   **Spring 2021**
- Group project: BST basic operations and expanding on them.

SKILLS
Programming Language: Java, Python, JavaScript, GO, C++ and C#
Framework: Unity, 3D Printing, Web development