Peter Snipes

Upper Marlboro MD, 20774 | **psnipes89@gmail.com** | 202-603-8747 |MathRunner || https://psnipes.netlify.app

EDUCATION

Allegheny College, *Meadville, PA* **Graduated: 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 psychology I will be able to cause a huge impact on these kids' lives 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

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

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 board's 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 walkway, and clean their outdoors up.

INDEPENDENT PROJECTS

MemoryScanner, Link **Fall 2022**

- Created a user interface that'll allow you to see what's being run 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++, HTML, and C#
Framework: Unity, 3D Printing, Web development