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## EDUCATION

### Howard Community College

#### Columbia, MD

**Major:** *Associate Degree Computer Science*

**Expected Graduation:** *May 2024*

**GPA:** 3.4 | HCC Student Government Association Outstanding Service Award, Deans List (Fall 2023)

**Relevant Courses:** Introduction to Python, Web Development, Computer Concepts, Object Oriented Programming, Introduction to JavaScript, Discrete Structures, Advanced JavaScript, Dev for the Cloud.

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## WORK EXPERIENCE

### IDEA Lab Kids - Columbia, MD

*July 2023- October 2023*

#### STEM Instructor

- Teach science, technology, engineering, and mathematics to young learners.
- Develop comprehensive and immersive lesson plans to convey complex STEM concepts, igniting curiosity within the children's hearts under guidance.
- Cultivate an engaging and dynamic learning environment, where questions are welcomed and celebrated as the key to unlocking the secrets of science and technology.

### Bluewave Semi-Conductors, Arbutus, MD

*October 2021 - April 2022*

#### Software Engineer Intern - Front-End

- Played a pivotal role as a driven and adaptable intern in a fast-paced and dynamic environment.
- Drove the success of the organization by devising and executing impactful digital marketing campaigns and optimizing the company website.
- Assisted in various critical tasks integral to the company's business operations, demonstrating resourcefulness and dedication to achieving objectives.

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## PROJECTS

### Online portfolio

- My comprehensive online portfolio showcases my diverse projects, from interactive web applications to creative software solutions, highlighting my proficiency in programming languages such as Python, Java, and JavaScript.

### Flappy Bird Clone

- Engineered a Flappy Bird clone, demonstrating my mastery in game development, algorithm design, and data structures.
- Used Python and Java to design an intuitive user interface and optimized game mechanics meticulously.
- Through thorough debugging and careful design, implemented features like collision detection and scoring systems, showcasing my attention to detail.
- This project highlights my interface design proficiency and ability to create seamless and engaging software experiences.

### Sorting Algorithm Visualizer

- Creating a Sorting/Algorithm Visualizer in React, HTML, CSS, and JavaScript showcases my passion for software engineering and algorithmic problem-solving.
- Crafted an interactive tool, demonstrating my proficiency in front-end development.
- Enhanced my algorithmic thinking, emphasizing clean, readable, and maintainable code.
- Visualizer reflects my commitment to innovative solutions and continuous learning, embodying the skills of a dedicated software engineer.

### Bad IP Filter Address Algorithm

- Engineered an algorithm that filtered out corrupted IP addresses using Python regular expressions.
- Through file handling, a user-friendly input system, dynamic inputs, and error handling, the algorithm can ensure the existence of the input file and verify the creation of the output file using a try...except block.

### Monster Collector Game

- Developed an engaging Monster Collector Game through the implementation of Object-Oriented Programming, harnessing the power of key principles such as inheritance and polymorphism.
- Incorporated resistance mechanics based on monster types, enhancing strategic gameplay.
- Completed the menuBattle method, enabling rounds of battles with dynamic turn-based interactions.
- Demonstrated proficiency in Java programming and game development.

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## LEADERSHIP/ORGANIZATION

### Student Government Association

#### Vice President

*June 2023 - Present*

- Lead initiatives to enhance campus life and build community.
- Manage a team of student senators, fostering collaboration and effective communication.
- Develop impactful events, advocate for student concerns, and promote a positive and inclusive campus environment.
- Communicate student perspectives to the faculty and administration, contributing to decision-making processes that benefit the student body.

### HCC Rebranding Committee

#### Member

*October 2023 - Present*

- Selected by the Office of Public Relations and Marketing to serve on this committee charged with rebranding the college's image to current students and the community.
- Provided feedback and recommendations to select possible vendors, reviewed designs, and contributed to submitting final versions of college and athletic logos for review by senior leadership.
- Collaborated with a diverse cross-section of campus stakeholders in a series of meetings to establish guidelines and creative consensus.

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## SKILLS AND PROFICIENCIES

Python, Java, JavaScript, HTML, CSS, Microsoft Office, Google Suite, React, Git, VS Code

### Others

Technical Writing, Strategic Planning, Social Media Marketing, Organization, Communication