Ryan McPherson

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Education

Bachelor of Science in Computer Science   *August 2020 - Present*

  University of Florida, Gainesville, FL

  GPA 3.81/4.0

Relevant Coursework

- COP3503 Programming Fundamentals 2   *Fall 2020*
- COP3530 Data Structures and Algorithm   *In progress*
- MAS3114 - Computational Linear Algebra   *In progress*

Involvement

Active Member, Software Engineering Club (SEC)   *September 2020 - Present*

  University of Florida, Gainesville, FL

- Assist in development of club software projects
- Develop foundations in software development
- Strengthen communication skills in group projects

Mentor, STEM Summer Institute   *May 2018 - June 2018*

  Western High School, Davie, FL

- Mentored young aspiring STEM students in engineering concepts

Notable Projects

Personal Portfolio, HTML5, CSS3, JavaScript   *July 2021*

- Developed portfolio website to display projects and contact information
- Implemented key features including responsive design, form submission, and animations

Minesweeper, C++   *December 2020*

- Recreated popular retro game Minesweeper GUI with C++ and SFML library
- Implemented features including displaying score, win/loss conditions, and developer assistant buttons using object-oriented programming

Image Manipulator, C++   *November 2020*

- Implemented multiple image blending modes including multiply, screen, and overlay for TGA files in C++ using binary input/output and bit manipulation

Skills

- **Proficient in** C++, JavaScript, HTML5, CSS3, Git Bash, Affinity Designer
- **Experience in** Java, Python