Ryan McPherson

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github.com/RyanMcPherson7

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*
- COT3100 Applications of Discrete Structures   *Spring 2021*
- COP3530 Data Structures and Algorithm   *In progress*

Notable Projects

Assignment Notion Database; JavaScript

- Constructed a script to automatically retrieve assignment data from Canvas LMS and post it to a Notion database via both services' REST APIs
- Executed various HTTP requests through REST APIs

Portfolio Website; HTML5, CSS3, JavaScript

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

Minesweeper; C++

- 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

Involvement

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

University of Florida, Gainesville, FL

- Assist in development of club software projects
- 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

Skills

- **Programming Languages:** C++, JavaScript, HTML5, CSS3, Java, Python, Matlab
- **Software:** Git, npm, Postman, Affinity Designer