



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

- COT3100 Applications of Discrete Structures *Spring 2021*
- COP3530 Data Structures and Algorithm *In progress*
- MAS3114 Computational Linear Algebra *In progress*

Notable Projects

Assignment Notion Database; JavaScript, Node.js

September 2021

- Constructed a script to automatically retrieve 100s of assignments from Canvas LMS and post them to a Notion database via both services' REST APIs
- Executed GET and POST HTTP requests through REST APIs

Portfolio Website; HTML5, CSS3, JavaScript

July 2021

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

Minesweeper; C++, SFML

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

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 30 young aspiring STEM students in engineering concepts

Skills

- **Programming Languages:** C++, JavaScript, HTML5, CSS3, Java, MATLAB
- **Software:** Git, Node.js, Postman, Affinity Designer