

# Ryan McPherson

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github.com/RyanMcPherson7



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## Education

### Bachelor of Science in Computer Science

*August 2020 - Present*

University of Florida, Gainesville, FL

GPA 3.81/4.0

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## Relevant Coursework

- COP3503 Programming Fundamentals 2 *Fall 2020*
- COT3100 Applications of Discrete Structures *Spring 2021*
- COP3530 Data Structures and Algorithm *In progress*

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## 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

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## Notable Projects

### Automatic Assignment 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
- Strengthened background in working with APIs and making various HTTP requests

### 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

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## Skills

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