Aidan Dyer

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EDUCATION

University of Wisconsin - Madison — Madison, Wisconsin
Bachelor of Science in Computer Science, GPA - 3.89 — *Aug. 2020 - May 2024*

EXPERIENCE

Software Development Intern — Jan. 2020 – Mar. 2020
Total CAE — *Northville, Michigan*

- Worked closely with a Developer to revise projects written in Python.
- Gained exposure to the processes of software development in Python and deployment using Docker
- Learned tools valuable to software development such as git, interacting with the bash terminal, and utilizing source control using Microsoft Azure DevOps.

Full-Stack Developer — May 2021 - Present
FlowSee Tech — *Northville, Michigan*

- Worked with a small team to develop company website using HTML, CSS, and JavaScript.
- Designed a responsive and attractive user interface using Bootstrap 5.
- Assisted in designing and implementing a REST API with Flask.
- Gained experience using AWS to deploy the website.

PROJECTS

MadAtlas | *Python, Flask, React, MySQL* — May 2021 - Present

- Currently developing a full-stack web application that provides UW-Madison students with a detailed view of courses that they meet the prerequisites for.
- Scraped course information using BeautifulSoup, then parsed course prerequisites using regular expressions and inserted the courses into a relational database.
- Structuring a REST API with Flask and using SQLAlchemy to interface with the database.
- Creating a responsive state-based front-end using React.

TECHNICAL SKILLS

Languages: Java, Python, C++, JavaScript, SQL, HTML/CSS
Frameworks: JUnit Testing Framework, React, Node.JS, Flask, Bootstrap
Developer Tools: Git, Google Cloud Platform, VS Code, PyCharm, IntelliJ, Eclipse, Linux/Bash Shell
Relevant Coursework: COMP SCI 400 - Programming III, COMP SCI 354 - Machine Organization and Programming, COMP SCI 368 - C++ For Java Programmers, COMP SCI 240 - Discrete Mathematics, MATH 222 - Calculus II