

Mathom Johnson

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Education

University of Wisconsin-Madison

Bachelor of Science

Major: Computer Science - GPA: 4.0/4.0

Relevant Coursework: Programming II/III, Linear Algebra/Discrete Math, Intro to Computer Engineering

Madison, WI

May 2027

Project Experience

internationalbadgerbonds.pythonanywhere.com

Website for International Badger Bonds

Madison, WI

May 2024 - Present

- Led the development of the website to facilitate the club goal of connecting international students to mentors
- Resulted in a gain of more than 15 new users and the facilitation of over 10 video meetings
- Integrated Google Calendar API into virtual calendar to allow students to schedule Google Meets with mentors
- Designed database models to store encrypted user and meeting information like usernames and email addresses

Canvas Text Messenger

Canvas/SMS APIs (personal project)

Madison, WI

January 2024 – February 2024

- Developed python script that texts my Canvas grades to my phone on Tuesdays and Thursdays
- Implemented the Canvas API to obtain grade data alongside the SMS texting API PyTextNow
- Used Linux virtual machine on Google Cloud to host project files and Crontab to run script automatically

Wordle Solver

Web-Scraping + Algorithms (personal project)

Madison, WI

March 2024

- Developed an algorithm to solve the daily Wordle in $O(N)$ time with >95% success rate
- Used a Chrome WebDriver and web-scraping to access the Wordle and display it as it is being solved

Certifications

Supervised Machine Learning: Regression and Classification

Coursera – Stanford Online, DeepLearning.AI

August 2024

- Built linear/logistic regression models using NumPy and scikit-learn
- Trained Machine Learning models for prediction and binary classification tasks
- Understood the Linear Algebra and Calculus behind gradient descent and popular Machine Learning models

Work Experience

Software Engineer, Wisconsin Messenger

Email Newsletter Startup @ UW-Madison

Madison, WI

June 2024 – Present

- Collaborated with a team of software engineers to develop python scripts for web-scraping world news articles
- Implementation of BeautifulSoup and RSS feed library to effectively populate database with diverse news stories
- Implemented best practices for Git workflow, such as feature branching and pull request processes

Custodian, Oso Clean

River Falls, WI

June 2023 – August 2024

- Cleaned commercial businesses in small teams
- Facilitated effective communication between co-workers and management

Leadership & Community Involvement

International Badger Bonds

Mentor

Madison, WI

May 2024 – Present

- Helped build a UW-Madison startup to advise incoming international students on how to adjust to new social and academic environments
- Hosted office hours throughout the Summer to meet with students from all over the world