

Mathom Johnson

mgjohnson8@wisc.edu | **Personal Website:** <https://www.mathomjohnson.com/> | [LinkedIn](#) | River Falls, WI

Education

University of Wisconsin-Madison

May 2027

Bachelor of Science

Major: Computer Science - GPA: 4.0/4.0

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

Experience

Software Engineer, Wisconsin Messenger

June 2024 – Present

Email Newsletter Startup @ UW-Madison

- Collaborating with a team of software engineers to develop python scripts for web-scraping world news articles.
- Building NLP Machine Learning model to recommend articles to our editors.
- Implemented best practices for Git workflow, such as feature branching and pull request processes.

internationalbadgerbonds.pythonanywhere.com

May 2024 - Present

Website for International Badger Bonds

- 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

January 2024 – February 2024

Canvas/SMS APIs (personal project)

- 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

March 2024

Web-Scraping + Algorithms (personal project)

- 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.

Leadership & Community Involvement

International Badger Bonds

May 2024 – Present

Mentor

- Helped build a UW-Madison startup to advise incoming international students on how to adjust to new social and academic environments.
- Met with 3 incoming students pursuing C.S. to prepare them for the type and amount of work in the major.
- Talked with students from Europe and Asia to discuss everything UW-Madison, from weather to academics.

Certifications

Supervised Machine Learning: Regression and Classification

August 2024

Coursera – Stanford Online, DeepLearning.AI

- 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 applied to linear and logistic regression.

Credential ID: <https://www.coursera.org/account/accomplishments/verify/AQD9HJTRW1T5>

Skills

Java, Python, ReactJS, NodeJS, SQL, Django, JavaScript, TypeScript, HTML/CSS, Git, C, ScikitLearn, Pandas, NumPy