

EDUCATION

University of Wisconsin | Madison, WI
Computer Sciences M.S.

May 2024
GPA: 3.66/4.00

- Coursework: Big Data Systems, Human-Computer Interaction, Data Visualization, Modeling User Interaction, Computer Vision, Algorithms, Communication Theory & Research, Teaching STEM, CS Ethics

University of Michigan | Ann Arbor, MI
Computer Science B.S.E., Cognitive Science B.S., Complex Systems Minor

December 2021
GPA: 3.54/4.00

- Coursework: Machine Learning, Artificial Intelligence, Web Design, Software Engineering, Computer Security, Game Development, Computational Modeling of Cognition, Learning & Memory, Network Science

PROJECTS

COVID Twitter Research

2022 - 2023

- Analyzed over 10 million tweets using structural topic modeling in R, identifying and visualizing shifts in public discourse during the COVID-19 pandemic
- Mentored two master's students, equipping them with necessary skills to contribute to the project

Parsons Problem Research

2020 - 2021

- Helped develop tool to enhance educational support through clustering crowd-sourced student coding solutions and providing customized exercise recommendations based on their work-in-progress attempt
- Extracted and analyzed data from CSV logs to discover patterns and measure performance of student code
- Conducted user testing in think-aloud surveys with real students to gauge the effectiveness of the program

Machine Learning Digit Recognition with Web App

2020

- Trained neural network to classify digits from MNIST dataset in PyTorch, Tensorflow, and Julia
- Deployed on AWS Lambda and created user-friendly web app using Docker images and Heroku

EXPERIENCE

Graduate Teaching Assistant

2022 - 2024

University of Wisconsin - Computer Sciences

- Supported hundreds of students in "Building User Interfaces" and "Human-Computer Interaction" classes by hosting office hours, aiding in course design and logistics, and providing feedback on assignments

Natural Language Modeling Intern

2022

Licens.io

- Created sentiment analysis classifiers for the open-source software ecosystem using spaCy transformers, improving sentiment detection to state-of-the-art accuracy for GitHub issue comments
- Curated and labeled a comprehensive dataset of GitHub issue comments from a random sample of all R projects, enhancing data quality for further research

Cloud Software Engineering Intern

2021

American Century Investments

- Worked in an agile setting to engineer data replication failure detection using AWS Lambda, create a DynamoDB database for managing support requests, create unit testing in pytest, and document services

Cognitive Science Peer Facilitator

2021

University of Michigan - Weinberg Institute for Cognitive Science

- Advised peers on course registration, curriculum, future plans, and extra-curricular opportunities
- Helped plan, organize, and execute department's promotional & community building events and resources

SKILLS

Programming Languages Software & Tools

C++, Python, R, MATLAB, SQL, BigQuery, spaCy, Javascript (ReactJS)
Tableau, AWS, Docker, Spark, Cassandra, Kafka, gRPC, Heroku, LaTeX,
Unity, Jira, Canva, Adobe Illustrator, Qualtrics, SAS, Excel