248-979-6575 Nithin Weerasinghe nithinlw@cs.wisc.edu

EDUCATION

University of Wisconsin | Madison, WI *May 2024*
Computer Sciences M.S. *GPA: 3.85/4.00*

- Current Coursework: Natural Language Processing, Modeling User Interaction, Computer Vision
- Coursework: Human-Computer Interaction, Data Visualization, Communication Theory & Research

University of Michigan | Ann Arbor, MI *December 2021*
Computer Science B.S.E., Cognitive Science B.S., Complex Systems Minor *GPA: 3.54/4.00*

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

PROJECTS

Parsons Problem Research *2020 - 2021*

- Extracted and analyzed data from CSV log files to discover patterns in student coding solutions
- Helped create program to cluster write code solutions using ASTs and recommend a programming exercise that matches the approach of a student's work-in-progress coding solution

Multidisciplinary Design Program - DEVIATE *2020 - 2021*

- Worked in a team with UofM Transportation Research Institute to maintain documentation, develop strategies for efficient human-labelling, and research methods for video data extraction while minimizing bias

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 web app using Docker images and Heroku

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Graduate Teaching Assistant *2022*
University of Wisconsin - Computer Sciences

- Held weekly office hours and assisted in grading for "Building User Interfaces" class

Natural Language Modeling Intern *2022*
Licens.io

- Created sentiment analysis classifiers for the open source software ecosystem using spaCy transformers
- Helped curate and label dataset of GitHub issue comment sentiment from a random sample of all R projects

Data Technology Engineering Intern *2021*
American Century Investments

- Created unit tests using Pytest and mock, developed data replication failure detector with AWS Lambda, designed database for support requests in DynamoDB, documented services for end users

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

LEADERSHIP

Wisconsin Union Directorate - Distinguished Lecture Series *2022 - present*
Associate Director of Marketing and Social Media

Cognitive Science Community at the University of Michigan *2020 - 2021*
Vice President

SKILLS

Programming Languages	C++, Python, PyTorch, Tensorflow, Julia, MATLAB, SQL, spaCy ReactJS, HTML, CSS, NetLogo, Go
Software & Tools	Tableau, AWS, Docker, Heroku, LaTeX, Unity, Jira, Adobe Illustrator