

Neema Owji

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EDUCATION

University of Florida

Aug. 2022 – May 2026

Bachelor of Science in Computer Science, Minor in Philosophy

3.9 GPA

Courses: Data Structures and Algorithms, Operating Systems, Software Engineering, Advanced Algorithms, Intro. to Machine Learning, Programming Language Concepts, Computational Media, Database Systems, Linear Algebra

EXPERIENCE

Software Engineer Intern

May 2025 – Aug. 2025

The Trade Desk

New York, NY

- Developed a way to integrate accessibility testing with Playwright using TypeScript into already existing front end smoke tests, significantly reducing test development overhead by not having to write new tests
- Integrated accessibility tests into a GitLab pipeline to run both on a schedule and when merging, allowing for accessibility compliance to be tracked over time and exposing thousands of different accessibility violations
- Built a web app with React that uses pipeline artifacts from AWS S3 or artifacts uploaded by a user to visualize historical results with a graph and understand accessibility violations by suite, test, and element with a table

Data Analytics Intern

Mar. 2024 – Aug. 2024

Siemens Energy

Orlando, FL

- Reduced required labor costs by 80% by automating processes with an internal tool to take in survey results, generate categories based on input, categorize responses, and generate a dynamic dashboard
- Streamlined workflows with Power Apps, Power Automate, PowerBI, and the Python OpenAI Library to manage over 500 survey responses every fiscal quarter and provide actionable insights for business administrators

RESEARCH

AI Scholar | *UF AI² Center*

August 2025 – Present

- Working under Dr. Cameron Buckner to improve empathetic conversations with LLM's and experiment with social simulations to increase our understanding of LLM's using methods grounded in cognitive philosophy

Research Team Lead | *Data-Driven Humanities Research Group*

Jan. 2023 – May 2024

- Led a group of 5 other students to create a Python library that generates a diverse data set using dozens of Latin sentences templates that leverages a custom lemmatizer we built to train a sentiment analysis algorithm
- Coauthor of *Performing Sentiment Analysis to Trace the History of Identity and Belonging in Ancient Greek Literature* in the Oxford Academic Digital Scholarship in the Humanities journal

INVOLVEMENT

Web Developer | *The Agency*

August 2025 – Present

- Creating websites with React, Firebase, and other tools as a part of advertisement campaigns for The Agency, an advertisement firm that works with brands like Disney, Carnival, and McDonald's

PROJECTS

ACM Administrator Dashboard | *React, Tailwind, Firebase, Figma, Jira*

Mar. 2025 – May 2025

- Developed a full-stack web application to track the attendance of over 1000 members for the UF ACM chapter with one other developer, using feature branching and Jira to separate our work
- Implemented authentication, graph visualizations, search, filtering, and meeting organization based on Figma designs with MaterialUI components

Parkinson's Machine Learning Experiment | *Python, SKlearn, Keras*

Apr. 2025 – May 2025

- Investigated correlations with Parkinson's and physical factors using ML models like Random Forests, XGBoost, SVM's and Neural Networks and evaluating using metrics like precision, recall, and F1 score

TECHNICAL SKILLS

Languages: JavaScript/Typescript, HTML/CSS, Python, C++, Java, SQL

Libraries: React, Playwright, Pandas, SKLearn, JUnit, NodeJS