Neema Owji

nowji.io | neemaowji@gmail.com | linkedin.com/in/neema-owji | github.com/nowji

EDUCATION

University of Florida <div align="right">Aug. 2022 – May 2026</div>

Bachelor of Science in Computer Science, Minor in Philosophy, Honors Program **3.91 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 <div align="right">May 2025 – Aug. 2025</div>

The Trade Desk *New York, NY*

- Integrated automated accessibility checks into existing Playwright (TypeScript) smoke tests, eliminating duplicate test authoring and maintenance while expanding coverage across critical user flows.
- Added an accessibility stage to GitLab CI to run on merge and on schedule, tracking compliance trends over time and surfacing thousands of violations; introduced reporting and quality gates to prevent regressions.
- Built a React/TypeScript web app that ingests pipeline artifacts from AWS S3 or user uploads to visualize historical results (trend graphs, drill-downs by suite/test/element), accelerating triage and remediation.

Data Analytics Intern <div align="right">Mar. 2024 – Aug. 2024</div>

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 AI^2 Center* <div align="right">August 2025 – Present</div>

- Working under Dr. Cameron Buckner to create a fine tuning data set for making LLM's more empathetic using a multi-perspective dialogue approach that is grounded in cognitive philosophy

Research Team Lead | *Data-Driven Humanities Research Group* <div align="right">Jan. 2023 – May 2024</div>

- 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* <div align="right">August 2025 – Present</div>

- 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* <div align="right">Mar. 2025 – May 2025</div>

- 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 seperate 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* <div align="right">Apr. 2025 – May 2025</div>

- Modeled correlations between Parkinson's and predisposing factors using Random Forests, XGBoost, SVMs, and neural networks; best-performing model achieved F1 0.94 and accuracy 0.93

TECHNICAL SKILLS

Languages: JavaScript/Typescript, HTML/CSS, Python, C++, Java, SQL
Libraries: React, Playwright, Pandas, SKLearn, JUnit, NodeJS, Flask, NLTK, Firebase