

Mariah Vadakekut

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EDUCATION

University of Oklahoma (OU) - Gallogly College of Engineering

Norman, OK

B.S., Computer Science

Expected 12/2024

- Relevant Coursework: Programming Structure & Abstractions, Data Structures, Software Engineering, Mentored Research
- Dean's Honor Roll (2021, 2022, 2023)

WORK EXPERIENCE

OU Honors Engineering Research Experience (HERE)

Norman, OK

UI/UX Undergraduate Research Assistant

Jan 2024 - May 2024

- Technologies using: HTML, CSS, JavaScript, Figma, Semantic UI
- Collaborated with researchers at the Pan Lab to revamp the user interface (UI) of a smoking cessation chatbot
- Designed and implemented intuitive desktop and mobile interfaces, enhancing user experience
- Played a key role in stress-testing the chatbot, ensuring its reliability in various scenarios, including standard interactions and simulated challenges

Center for Earth Observation and Modeling (CEOM)

Norman, OK

Software Developer Intern

Sep 2022 - May 2024

- Technologies using: Python, HTML, CSS, JavaScript, Django, Docker
- Utilized technologies like the Google Maps API to develop new mapping features for the CEOM website to display collected data for 5000+ users
- Proactively engaged in comprehensive research and self-directed learning to effectively address and excel in various tasks, demonstrating a strong commitment to continuous personal and professional development
- Developed and executed various data download and upload functionalities to elevate user experience, leading to a substantial increase of over 300+ new registrations in the year 2023

Gallogly College of Engineering

Norman, OK

Dean's Leadership Council Mentor

Aug 2022 - Dec 2022

- Led weekly group discussions on topics such as time management and study skills resulting in an over 90% passing rate
- Collaborated with fellow mentors and staff to provide a comprehensive resource guide for mentees and delivered presentations on topics, such as college resources and goal setting.

PROJECTS

TripMate | github.com/mariahvadak/TripMate

Feb 2023 - May 2023

- Technologies used: HTML, CSS, Python, JavaScript, Flask
- Co-led team of 3 individuals in the conception/development of a website enabling users to efficiently coordinate their travel experiences
- Engineered functionalities allowing users to craft personalized itineraries encompassing to-do lists, accommodations, and activities, leading to significant time savings during trip planning

OU First Year Research Experience (FYRE) | github.com/mariahvadak/FYRE

Jan 2022 - May 2022

- Technologies used: HTML, CSS, JavaScript, Bootstrap
- Leveraged existing CEOM website's base HTML to develop a user-centric web page, aimed at providing seamless access to diverse CSV data sets sourced from multiple eddy flux tower locations
- Prioritized user engagement and accessibility, emphasizing the creation of an inclusive experience catering to a broad spectrum of users

SKILLS

- **Languages:** HTML/CSS, JavaScript, Python, Java
- **Technical:** Figma, Django, Flask, Bootstrap, GitHub, Docker, Semantic UI
- **Certifications/ Training:** Paycom Technology Summer Engagement Program (SDLC & DevOps), OU Study Abroad: Engineers in Italy (Professional Development)

EXTRACURRICULARS

University of Oklahoma Food Pantry

Aug 2021 - Present

Volunteer

- Efficiently packaged and organized requested grocery items, ensuring accurate and timely delivery of orders to customers
- Helped manage the distribution of fresh produce, ensuring proper sorting, handling, and delivery to recipients, contributing to the availability of nutritious food options for the community