

# Lerich Responde Osay

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## EDUCATION

### Bachelor of Science, Computer Science

Dec. 2025

*The University of Texas at Dallas*

*Richardson, TX*

- **Relevant Coursework:** Advanced Data Structures & Algorithmic Analysis, Systems Programming in UNIX, Database Systems, Software Engineering, Professional & Technical Communication
- **Leadership:** SHPE UTD - Technology Director, ACM UTD - Projects Division Officer

## TECHNICAL SKILLS

**Programming Languages:** JavaScript (Node.js), TypeScript, Python, Java, HTML, CSS, C, SQL

**Frameworks/Libraries:** Express.js, React, React Native Expo, Tailwind, Angular, Flask, scikit-learn, Matplotlib

**Development Tools:** Git, GitHub, MongoDB, Postman, AWS (EC2), Trello, Jira, Confluence

## PROFESSIONAL EXPERIENCE

Full-Stack Software Developer Intern | *Soulstice Dating*

Apr. 2024 - Present

- Operate as a software developer for a rising online dating platform, bringing the planned features for both the web and mobile application to **95% completion** prior to the public launch of the platform
- Construct **Angular** and **React Native** UI components in order to implement and innovate on UI/UX designs
- Optimize and improve the web application code base by contributing a **25% reduction** of legacy code
- Enhance the **Python** server through integration with the eatapp API to **automate reservation booking** for dates as well as with the addition of RESTful API endpoints to handle CRUD operations on date information
- Collaborate with other developers in an Agile team, participating in daily scrum meetings and sprint planning

Software Engineer Sprintern | *ASAPP*

May 2024

- Participated in a fast-paced, **3-week sprint** to develop an airline travel agent chatbot with 3 other sprinterns
- Modified **LLM prompting** for ASAPP's Generative Agent AI chat bot under the guidance of machine learning engineers, a technical project manager, and a product delivery manager
- Developed custom prompts that satisfied more than **90% of use case requirements** by the end of the sprint
- Worked closely with cross-functional engineers, gaining exposure to LLMs and industry best practices

## PROJECTS

Market Maven | GitHub Link | *React, Express.js / Node.js, MongoDB, JavaScript*

Feb. 2024 - Apr. 2024

- Led back-end development within a team of 4 undergraduate students building an e-commerce website in 10 weeks
- Employed **Express.js** to establish a back-end server equipped with RESTful API endpoints, enabling seamless CRUD operations between the **React** client and a **MongoDB** database cluster storing user and product data
- Incorporated OAuth 2.0 and JSON Web Token strategies for user authentication and authorization
- Demonstrated website MVP to an **audience of 200+** industry professionals ACM UTD chapter members

PhishNet | GitHub Link | *React, Flask, JavaScript, Python*

Jan. 2024

- Crafted **JavaScript** UI components for a **React** client as part of a team of 4 students, quickly developing a full-stack application in **under 24 hours** that scans users' emails for potential phishing attacks
- Implemented Google OAuth 2.0 login and access token management to facilitate access to users' emails
- Integrated IPQS' URL Scanner API and GPT-3.5 to achieve **over 80% accuracy** in identifying phishing emails

Conceal and Reveal | GitHub Link | *scikit-learn, Matplotlib, Python*

Sep. 2023 - Dec. 2023

- Conducted research on the implementation of **steganalysis** through **machine learning** with a team of 5 undergraduate students, an undergraduate research lead, and a professor of machine learning
- Collaborated with teammates in the creation of **SVM** and **CNN** machine learning models in Python to classify JPG image data as either steganographic or non-steganographic with **accuracies between 53% and 74%**