

# Hunter Mena

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## EDUCATION

### The University of Oklahoma

*Expected Graduation May 2026*

- **B.S Computer Science**, Dean's List Fall '23, President's List Spring '24, Dean's List Spring '25
- **Relevant Coursework**: Programming Structures and Abstractions, Data Structures, Algorithm Analysis, Operating Systems, Software Engineering, Computer Organization, Computer Security, Parallel Distributed Networks

## EXPERIENCE

### Citi, Software Developer Summer Analyst

*June 2025 - August 2025*

- Migrated a **Talend**-based reporting framework to **Python** and built a **FastAPI** web UI to generate reports by ID, retrieve security data, and email results to stakeholders.
- Wrote unit tests to reach **82% SonarQube** coverage and remediated code smells, duplication, and security hotspots to meet internal quality standards.
- Integrated reporting functionality into Citi's **ETL** pipeline to support timely and accurate delivery of financial event data to internal consumers.

### I-CCEW, Software Developer Intern

*January 2025 - May 2025*

- Developed two mobile safety applications using **Flutter** and **Firebase**, supporting user reporting and admin alerts.
- Built frontend and backend features including authentication, real-time messaging, and cloud storage.
- Integrated both apps to ensure **synchronized communication** and collaborated with a cross-functional team to deliver a **full-stack MVP**.

### Data Institute for Societal Challenges, Undergraduate Research Assistant

*January 2025 - May 2025*

- Built and trained **machine learning models** to predict maternal health risks from a large set of real cardiology data.
- Used **Python**, **scikit-learn**, and **TensorFlow** for data preprocessing, **SMOTE** balancing, and model evaluation.
- Documented outcomes and supported the development of a clinical decision-support prototype with improved accuracy.

## TECHNICAL PROJECTS

### Notify, Django, React, Rest API, Python, Javascript, HTML, CSS

*August 2024*

- Developed a full-stack web application using **Django** for the backend and React for the frontend, integrating **JWT-based authentication** for secure user login and registration.
- Implemented **REST API** for seamless communication between frontend and backend, enabling users to create, delete, and view personal notes for daily task management. Deployed application on **Choreo**.

### Hunter's AI Image Generator, React, OpenAI's API, HTML, CSS

*June 2024*

- Built a responsive **React** app that generates **AI** images from user input via **OpenAI's API**, with seamless deployment on **Netlify**.

## LEADERSHIP EXPERIENCE

### Sigma Phi Epsilon, Academic & Philanthropy Committees

*December 2023 - present*

- Organize philanthropy events for fundraising events as well as communicate joint events with other organizations.
- Manage scholarship distribution, facilitate study hours, GPA management for all members

### The Big Event Executive Committee, Website Specialist

*September 2023 - present*

- Re-designed and maintained the website for OU's Big Event, the largest day of community service in Oklahoma
- Incorporating CSS with digital asset management which reduced technical mishaps with sponsorship donors by 50%.

## SKILLS

- **Programming Languages**: Java, Python, JavaScript, C++, C, SQL, HTML, CSS
- **Frameworks & Libraries**: Django, FastAPI, Flutter, Node.js, SonarQube, React
- **Technologies & Tools**: Docker, Firebase, Git, GitHub, Google Colab, VS Code, Linux, Figma