

# Nicholas Ackley

Phone: (817) 944-7543 | Email: [nya210002@utdallas.edu](mailto:nya210002@utdallas.edu) | Github: <https://github.com/nicholas-ackley>

LinkedIn: [www.linkedin.com/in/nicholas-ackley](http://www.linkedin.com/in/nicholas-ackley)

## EDUCATION

**B.S. Computer Science** The University of Texas at Dallas

**Graduation:** May 2026

## TECHNICAL SKILLS

**Relevant Skills:** Java, HTML/CSS, JavaScript, Java, SQL, Python

**Frameworks and Tools:** Git/Github, UNIX, Agile, Flask, React, Node.js, JIRA, FastAPI

## WORK EXPERIENCE

### Traver Companies - Full Stack Developer Intern

*March 2023 - August 2025*

- Optimized RESTful APIs for lead and appointment data, reducing average API response time by 15% and ensuring smoother integration with dealership platforms.
- Deployed a dynamic user dashboard that retrieved backend data from API's that displayed and filtered the data to the front end
- Developed **RESTful APIs** with **Node.js**, organizing and optimizing the backend architecture to streamline data flow and participated in team code reviews, updating documentation, and system design.
- Managed dealership data by centralizing data into a unified system, streamlining access and distribution for analytics and business reporting.
- Defined API contracts, handle asynchronous data fetching, error states, and loading indicators
- Migrated legacy components and pages to modern frameworks, adopting Next.js, TypeScript, and React.

**Skills Used:** HTML/CSS, JavaScript/React, Java, GitHub/BitBucket, JIRA, Python, Figma

## PROJECTS

### GreekPop - Merchandise Application (Not Deployed)

*December 2024 - In Progress*

- Developing a full-stack iOS application for college students to buy and sell apparel, targeting **1k+ potential users** across Greek life and student organizations.
- Incorporated search and filter functionality reducing time-to-find items and improving UX through category, school, and price-based queries. Integrating payment and address APIs to support secure transactions and validate shipping addresses.

**Skills Used:** React, Firebase, Expo

### Personal Spotify Wrapped

*September 2022 - October 2022*

- Developed a full-stack music player with live audio streaming using **React**, **Node.js**, **Firebase**, and the Spotify Web Playback SDK.
- Implemented OAuth authentication to securely retrieve user's top tracks and playback data.
- Designed interactive UI components including custom play/pause, skip, and timeline controls with React Icons and dynamic state management.
- Deployed the application for public access, handling token refresh and API requests to ensure uninterrupted streaming.

**Skills Used:** Firebase, React, Node.js, REST APIs, Spotify Dashboard

### FaceGuard

- A real-time facial recognition system for classroom/exam check-ins that verifies identity for those enrolled and registered in the database.
- Added secure profile enrollment flow: captures multiple angles/lighting conditions, stores normalized embeddings, and binds metadata (first/last name, student ID) in a SQLite/SQLAlchemy backend.
- Overlaid live name on the video stream (OpenCV) after verifying a successful match.

**Skills Used:** Python, OpenCV, dlib/face\_recognition SQLAlchemy, SQLite, REST APIs

## LEADERSHIP

### **Social Media/Public Relations Executive | Delta Tau Delta**

*Current*

- Executive Member- Facilitated partnership with sponsors and philanthropy, ex: JDRF and Red Bull.

### **Member | Artificial Intelligence Society**

*Current*

- An organization that hosts workshops and group projects a round machine learning and artificial intelligence.