

ANDREW ANDARI

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EDUCATION

University of Houston

Bachelor of Science in Computer Science

– *Honors: Dean's List*

Houston, TX

Aug. 2023 – May 2027

PROJECTS

Pickup Basketball Coordination Platform | *Next.js, React, TypeScript, Supabase, PostgreSQL, Mapbox API* Spring 2025

- Built a production-deployed full-stack web application for organizing pickup basketball sessions with group coordination, court discovery, real-time RSVPs, and automated team generation.
- Designed a scalable **Next.js + React + TypeScript** architecture using Supabase for authentication, relational data modeling, real-time updates, and secure data access.
- Implemented fine-grained **Row Level Security (RLS)** policies enforcing group-scoped permissions across sessions, RSVPs, teams, and notifications.
- Integrated **Mapbox APIs** for court search, geocoding, and reusable location management; deployed and maintained the app on **Vercel**.

WasteFlow: Circular Exchange Platform | *Next.js, React, TypeScript, FastAPI, Python, Tailwind CSS* Fall 2025

- Developed a full-stack industrial symbiosis prototype enabling companies to match waste outputs with material demands to support circular economy workflows.
- Built a modular **Next.js + React** frontend with AI-driven compatibility insights, backed by a lightweight **FastAPI** REST service.
- Implemented responsive, accessible UI components using **Tailwind CSS** and modern component libraries for cross-device usability.

Weather Application | *React Native, TypeScript, Expo, OpenWeather API*

Fall 2024

- Built a cross-platform mobile weather application using **React Native and TypeScript** with real-time data retrieval via external APIs.
- Implemented robust error handling and optimized asynchronous requests to ensure reliability and low-latency performance.
- Applied clean architecture principles with reusable components and strict typing to improve maintainability and scalability.

EXPERIENCE

Safe Fleet Coban Technologies

Applications Engineer (Production Associate)

Houston, TX

Jan. 2025 – Dec. 2025

- Partner with engineering and operations to optimize production workflows using software-driven solutions; improved throughput and reliability across configured systems.
- Diagnose hardware/software integration issues; document fixes and standard operating procedures to reduce repeat incidents.
- Execute QA testing and data-driven process improvements that decreased defects and accelerated delivery timelines.
- Support internal stakeholders and customers with technical troubleshooting, ensuring on-time deployments and strong satisfaction.

SKILLS

Programming Languages: TypeScript; Python; C++; Java; C#; JavaScript; HTML/CSS; R;

Technical: React; React Native; Github; Git; Unity Engine; REST APIs; Asynchronous Programming; State Management; Troubleshooting; QA Testing; Process Optimization;

Language: English (fluent); Arabic (fluent); Spanish (proficient)

CLUBS

CougarCS

Member

University of Houston

Fall 2024 – Spring 2025

- Participated in technical workshops covering Git/GitHub version control, game testing, and introductory UI/UX design.
- Engaged in deep-dive sessions on Large Language Models (LLMs) and collaborated with peers to strengthen teamwork, software engineering skills, and industry readiness.