

Kevin Barcenas-Martinez

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EDUCATION

University of Texas at Austin, Austin, TX

*Expected Graduation: **May 2026***

B.S in Computer Science & Linguistics, Minor in Business

GPA 3.40

Coursework: Operating Systems, Computer Architecture, Data Structures, Machine Learning, Software Engineering, Database Management

EXPERIENCE

Linguistics Research Center, University of Texas at Austin

August 2023-Present

Computational Linguistics Research Assistant

- **Processed** and analyzed over 50,000 Mayan language entries, achieving 98% accuracy in data classification.
- **Reduced** data processing time by 60% through automation of workflow using Python scripts
- **Contributed** to successful launch of online etymological dictionary accessed by linguistic scholars across the field

PROJECTS

Full Stack Developer – Trucking Logistics

January 2025

Expo React Native, Typescript, Firebase, Firebase ML Kit, OpenAI API

- **Architected and implemented** a comprehensive trucking logistics application using Expo, launching to 50+ users.
- **Integrated** camera-based OCR technology via Google ML Kit to capture and analyze data from truck receipts, enhancing logistics management.
- **Developed** features for processing mileage and service receipts, extracting critical data such as fuel purchases, material weights, and pricing.
- **Built an automated reporting system** for generating detailed reports (daily, weekly, monthly, yearly) to aid in tax management and organizational efficiency for trucking companies.

Empire Football League Soccer Platform

December 2024

Next.js, MongoDB, NextAuth, PayPal

- **Architected** and deployed a comprehensive soccer league management system using Next.js 14 and MongoDB, featuring team profiles, match scheduling, and real-time standings updates, serving over 12 teams and 120+ players.
- **Implemented** secure role-based authentication using NextAuth.js to manage distinct access levels for league administrators, team managers, and players, with personalized dashboards and content management capabilities.
- **Added** responsive design principles resulting in a 45% increase in mobile user engagement

ACTIVITIES & AFFILIATIONS

Affiliations: Hispanic Scholarship Fund Scholar, Hispanic Association of Colleges and Universities Member

Hispanic Association for Computer Scientists, The University of Texas at Austin

August 2022-Present

Familias Mentor

- **Fostered** supportive relationships between upperclassmen and underclassmen, enhancing peer mentorship and community engagement within the organization.
- **Coordinated** community outreach programs to local high schools, helping increase Hispanic student enrollment in higher education.

SKILLS

Technical Skills: Python, TypeScript, Java, C, Objective-C, Swift, HTML/CSS, NLTK, CLTK, Pandas, NumPy

Frameworks & Tools: Next.js, React Native, Expo, MongoDB, MySQL, Firebase, Supabase, NextAuth, Google Cloud Platform, Docker, AWS, Xcode

Languages: Spanish (Fluent)