

Adolfo Fidel Chavez IV

Houston, TX 77092 | 832-350-3098 | adolfochaveziv@gmail.com | [AFCIV](#)

SKILLS SUMMARY

- Programming with JavaScript, JSX, React, React Native, Node, Python, HTML/CSS, C++
- Experienced in Data Mining, Info & Knowledge Management, Net-Centric Computing, LLMs, Prompt Engineering, Firebase, Visual Studio Code, Microsoft Office Suite

EDUCATION

Bachelor of Science in Computer Science / Business Administration Minor

University of Texas at Tyler, Tyler, TX | GPA 3.0

PROJECT PROFILE

HomeIQ – Capstone Sponsored

Fall 2025

- A cross-platform mobile application for an AI-powered home maintenance assistant, created with React Native + Expo, powered by Firestore Database. Uses Google Gemini 2.5 Pro to analyze uploaded images, identify problems, and provide advice, instructions, and links to products and local services as reliable solutions
- As team lead and programming lead, I coordinated and assigned tasks in a team of 4. Set up a Firebase project to authenticate our app with Firebase's Firestore Database and Authentication services, implementing user account storage and NoSQL database functionality. Used Google's generative-ai API to connect our React Native app to an LLM that analyzes images, etc.
- Presented our prototype and business model to students and faculty at UT Tyler's annual Capstone Expo – Awarded 1st place certificate out of 9 projects

Dadvice AI

Summer 2025

- A web application using an LLM to provide on-demand advice emulating a real, supportive father figure
- Created a RESTful API scaled for high-traffic use, engineered LLM prompts for response optimization, implemented secure edge computing with Cloudflare, and created a sleek UI/UX design

Closest EV Charging Station Web App

Summer 2025

- Calculates closest EV charging stations in Houston with directions, with formulated mathematical models to calculate best route
- Retrieved and processed geographic data from public databases

WORK EXPERIENCE

Computer Technician, TechnoCycle, Houston, TX

May 2020 – April 2022

- Prepared servers and computer systems for resale through system diagnosis and data wiping processes
- Repaired servers, laptops, PCs, and all-in-ones with a variety of RAM, CPU, power supply, and hard drive components
- Received 7.6% pay raise while achieving highest weekly asset completion marks on my team by 11%

Retail Associate, JCPenney/American Eagle Outfitters/ZARA/Fossil

Fall 2025 – Present

- Provided exceptional customer service in a fast-paced environment

CERTIFICATION/HONORS

Jungle Scout Scholarship

Fall 2020

- A program hosted by Jungle Scout, an ecommerce organization, recognizing and supporting college students with innovative ideas in computer science and business

Capstone Exhibition 1st Place Presentation

Fall 2025

- An annual program for UT Tyler's capstone class presenting rising entrepreneurs in computer science/information technology