

Huajun Chen

AI Systems Engineer | Applied AI | Full-Stack

+1 469-440-9666 · HJ.ch.chen@gmail.com · Sachse, TX · [linkedin.com/in/huajun-chen](https://www.linkedin.com/in/huajun-chen)

Software and applied AI engineer with 10+ years building production systems across government and enterprise environments. Experienced embedding with domain teams, translating ambiguous operational workflows into working software, and driving practical AI adoption from prototype through production. Most recently built and shipped ACLogics end-to-end, including LLM agents, evaluation and safety gates, mobile applications, and production feedback loops.

EXPERIENCE

ACLogics | [aclogics.com](https://www.aclogics.com)

Nov 2025 - Present

Founder & Solo Engineer | Applied AI for HVAC Diagnostics

- Solely architected, built, and shipped a production AI diagnostic application for HVAC technicians across iOS (Mar 2026) and Android (Jul 2026), attracting 30-50 new users per week organically with no paid acquisition.
- Worked directly with technicians to translate real-world troubleshooting into an AI-assisted diagnostic system; evolved a Generator -> Reviewer -> Formatter LLM pipeline into deterministic state-machine decision trees with explicit, verifiable Pass/Fail criteria.
- Built a regression evaluation suite run on every prompt change, validating safety gates, diagnosis on edge cases, and structured output correctness before production deployment.
- Used Sentry as a primary production feedback loop for technicians who rarely reported issues directly; traced crashes, broken flows, and silent drop-off to specific product paths and shipped targeted fixes from observed field behavior.
- Manually sampled production LLM outputs and diagnostic sessions to separate model-quality failures from workflow friction, feeding recurring patterns back into prompts, diagnostic logic, UX, and evaluation cases; automated critical mobile flows with Maestro.

City of Garland

2025 - Present

GIS Lead

- Lead practical AI adoption across the GIS team, identifying high-value use cases and enabling non-programmers to build their own automation, including an AI-generated Excel macro that automated recurring monthly data entry.
- Extended the automation upstream to the data-producing team, eliminating unnecessary forwarding and handoffs and reducing recurring process friction and turnaround time.
- Delivered a production restaurant inspection application in one week, using AI to navigate a 200+ table undocumented legacy database and accelerate the full delivery cycle - from SQL discovery and data validation to automated ArcGIS map-service deployment and an HTML frontend.

Cognizant - FM Global

2021 - 2025

Senior Developer | Full-Stack, Data & Geospatial Engineering

- Embedded with the client engineering team as a GIS domain expert, translating business requirements into production systems across React, TypeScript, Python, Azure, and ArcGIS Enterprise.
- Led development of a React/TypeScript geospatial curation platform for commercial insurance, helping analysts determine property ownership and assess property value through interactive geospatial workflows.
- Engineered a four-stage Python actuarial property-valuation pipeline spanning data cleaning, API-driven enrichment, geospatial analysis, and reporting; deployed on Azure with 90%+ test coverage.
- Prototyped an AI-assisted geospatial object-detection workflow using SAM-GEO foundation models, evaluating how foundation models could reduce manual feature-extraction work.

City of Garland

2013 - 2021

GIS DBA & Developer

- Managed enterprise GIS architecture; led an Oracle-to-SQL-Server migration with zero service downtime.
- Built public-facing web applications and automated inter-departmental workflows.

City of Dallas

2009 - 2013

GIS Analyst

- Built Python automation and a VB.NET inspection scheduler for field crews - early experience translating operational workflows into working software.

Earlier Experience

North Central Texas Council of Governments - Research Intern (2009) | UT Dallas - Research Intern (2008) | GIS data creation, ArcGIS tool development, field data collection.

CERTIFICATIONS & EDUCATION

Certifications

AWS Certified Cloud Practitioner (2022-2025)

Microsoft Power BI Data Analyst Associate (2024-2025)

Education

M.S. GIS - University of Texas at Dallas (2007-2009)

B.S. - Peking University, Beijing (2002-2006)