



Jean Carlo Almario

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EDUCATION

Texas Tech University, Lubbock, Texas
Bachelor of Science in Computer Science

Graduation Date: May 2027
TTU GPA: 3.9

EXPERIENCE

Health Safety & Environment

May 2025 - July 2025

Software Engineer Intern

- Automated a critical reporting process using Node.js/Express, reducing weekly manual reporting time by parsing PDF data into formatted Excel reports
- Integrated the service with AWS S3 to programmatically retrieve input PDFs and store the resulting Excel reports
- Contributed to a production codebase in an agile environment using Git, daily stand-ups, and peer code reviews

PERSONAL PROJECTS

Multi-Agent AI Website Generation Platform (HackTX Prize Winner, UT Austin)

October 2025

Next.js · Node.js · DigitalOcean AI Agents · GitHub API

- Developed an AI-powered platform that generates and deploys fully functional React websites from natural language descriptions
- Designed a multi-agent architecture to coordinate code generation, project creation, dependency installation, and cloud deployment
- Built a real-time dashboard for live preview, authentication with NextAuth (GitHub OAuth), and detailed status feedback

Full-Stack E-Commerce Platform (deployed, +20 real sales)

December 2024 – May 2025

MEAN stack · JWT · Role-based access · Orders · Cart · Deployment

- Built and deployed a production e-commerce app with role-based access and JWT authentication
- Designed a RESTful API for product/user CRUD, cart, and orders with auth middleware and input validation
- Implemented admin dashboard, and customer features (search, filters) backed by MongoDB with indexed queries
- Achieved 20+ completed sales on the live site; optimized frontend bundle and API caching to improve page load

Real-Time Multilingual Chat Platform

September 2025

MERN stack · Socket.io · AI Translation · Encryption

- Built production-ready real-time chat platform with AI translation, WebSocket communication, and message encryption
- Secured platform with AES-256-CBC encryption, achieved <100ms message delivery, and optimized for production deployment
- Designed RESTful API with JWT authentication, MongoDB integration, and Google Gemini AI for 12+ language support

Texas Tech Student–Professor Platform (CodePath Dev Team)

May 2025 - Present

Next.js · Node.js/Express · Socket/Realtime · Team project (TTU use-case)

- Built a full-stack web app to improve student–professor communication (live attendance, Q&A, interactive quizzes)
- Engineered the real-time Q&A and interactive quiz features using WebSockets to enable low-latency, bidirectional communication between students and professors

LEADERSHIP & INVOLVEMENT

CodePath Student Organization

January 2025 - Present

Development Team

- Partnered with fellow student developers to build and deploy projects designed to enhance TTU's academic experience
- Participated in design reviews, agile sprints, and hackathons to deliver team projects

Society of Hispanic Professional Engineers

August 2024 - Present

Mentor

- Mentored freshmen/sophomore Computer Science students in DSA, OOP, and career planning
- Organized study nights and technical workshops to support peer learning

TECHNICAL SKILLS

- Programming Languages:** Python, JavaScript / TypeScript, Java, C++, C, SQL (Basic)
- Technologies:** AWS, Docker, Git, GitHub, CI/CD (GitHub Actions), MongoDB, Unit Testing, RESTful APIs, JWT Authentication, Linux, Postman, JSON, HTTP Requests, WebSockets, NextAuth.js, DigitalOcean AI Agents
- Frameworks & Libraries:** Node.js, Express.js, React, Next.js, Angular, PyTorch, NumPy, Mongoose, Scikit-Learn