

Angelo Gonzalez

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EDUCATION

Indiana University Bloomington

May 2027

Bachelor of Science in Informatics – Specialization in Web Design and Development

Relevant Coursework: Software Systems, Discrete Structures, Human-Computer Interaction/Design, Web Design

Member: Entropic, CodePath, Fintech Club, Claude Builder Club

TECHNICAL SKILLS

Languages: Python, Java, C++, HTML/CSS, JavaScript, PHP, SQL

Frameworks: React, Next.js, Node.js, Express.js, Django, Flask, Tailwind CSS, Bootstrap, Vite

Developer Tools: Git, Google Cloud Platform, VS Code, Figma, Xcode, AWS, Unix/Linux, LightGBM, CUDA

Certificates: Microsoft Azure AI Fundamentals, Verizon Cloud Platform, Docker Fundamentals

EXPERIENCE

Indiana University Bloomington

Bloomington, IN

Software Engineer Intern (Undergraduate Research Assistant) | Python, LightGBM, scikit-learn, CUDA Sep 2025 – Dec 2025

- Contributed to an ML pipeline achieving 79–96% accuracy across 18 antiretroviral drugs with AUROC >0.95
- Trained and benchmarked LightGBM, Random Forest, Gradient Boosting, Logistic Regression, and SVM models on HIV mutation datasets for drug resistance prediction.
- Configured and deployed ML inference on NVIDIA Jetson Orion for portable, real-time clinical decision support at the edge.

F Perez Concrete

Remote

Freelance Software Engineer | Next.js, Mapbox, JWT, Google Analytics Jul 2025 – Sep 2025

- Delivered a complete digital presence for a local concrete business including a Next.js web app, Google Business Profile, SEO optimization, and company media, driving ~90 monthly site visits from zero.
- Built a Mapbox-powered job estimation tool with market-rate calculations, enabling pre-site measurement and reducing manual quote preparation.
- Engineered an admin dashboard with JWT auth, file upload/management, REST APIs, and contact form handling for client self-sufficiency.

Infosys

Indianapolis, IN

Software Engineer Intern | Python, Google Document AI, OCR, PyMuPDF Jun 2025 – Aug 2025

- Developed an automated PII detection and redaction system for PDF documents in Python using regex and token-based NLP, reducing manual review workload by 70%.
- Generated timestamped redacted PDFs with audit-ready reports across both digital and scanned documents, validated on diverse PII categories including names, SSNs, emails, and financial identifiers.

PROJECTS

Legacy | JavaScript, [Next.js](#), Claude API, Java, Quarkus, Langchain4j

Mar 2026 - Present

- Designed a persistent student profile system that contextualizes AI responses across scholarships, FAFSA guidance, essay coaching, and career advising, reducing repeated context entry to zero across all 6 features
- Architected full frontend infrastructure including protected routing, RLS-enforced Postgres schema, chat session history, and per-user rate limiting across a split React/Quarkus stack shipped in under 48 hours

MovieRecs | HTML, CSS, JavaScript, Node.js, Express, TMDB API

Feb 2026 - Present

- Built a mood-based movie recommendation web app with a custom scoring algorithm ranking 40+ films per request using weighted vote average and logarithmic vote count.
- Implemented watchlist, watched history, decade filtering, shareable URLs, and streaming provider lookup; deployed on DigitalOcean with a live demo.
- Achieved 100% test coverage across 16 test suites and 187 Jest/Supertest tests covering ranking logic, API routes, and frontend DOM behavior.

Digi | TypeScript, Next.js, Node.js, Express, MongoDB, Cloudinary

Oct 2025 - Present

- Built a full-stack social app with Next.js 15, TypeScript, Express, and MongoDB focused on privacy and archive-style posting.
- Delivered direct signed Cloudinary uploads with image cleanup on deletion; posts support text (20–2000 chars), images, and public/private visibility.
- Deployed with Vercel for frontend and Railway for backend using environment-based config and CORS alignment.

Bill's Breakfast | Python, SQL, Flask, HTML/CSS, JavaScript, Bootstrap

Sep 2025 - Dec 2025

- Developed a full-stack restaurant management web app using Flask, SQLAlchemy, and SQLite with customer and order tracking functionality.
- Implemented full CRUD operations, foreign key relationships, ORM modeling, error handling, and form validation for production-ready deployment.

LEADERSHIP

Entropic

Bloomington, IN

Chief Technology Officer (CTO) | Next.js, TypeScript, Tailwind CSS

Aug 2025 – Present

- Lead all technical initiatives for Entropic, a student innovation club focused on building creative, real-world software projects.
- Oversee project ideation, sprint planning, and code reviews while mentoring members in full-stack development practices.