Diego Zamudio

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Full stack developer building clean, fast web apps, from UI to backend. I enjoy turning messy workflows into reliable software with a focus on user experience, performance, and maintainable code.

EDUCATION

Wayne State University – College of Engineering,   **Detroit, MI**
Bachelor of Science in Computer Science   *Graduated, Dec 2025*

RELEVANT COURSEWORK

●Software Engineering   ●Database Management   ●Web Development   ●Mobile Application Development   ●Problem Solving & Programming

PROFESSIONAL EXPERIENCE

Blue Flares LLC,   **Detroit, MI**
Founder, Web Developer and Digital Marketing   *Sep 2023–Present*

- Built and maintained 4+ client websites (WordPress, Shopify, and HTML/CSS/JS), including updates, performance fixes, and hosting management
- Work directly with clients to scope requirements and deliver end to end web projects from build to launch.
- Create short form content and marketing assets (videos, graphics, menus, promos), manage posting calendars, and maintain client brand and online identity.

Wayne State University,   **Detroit, MI**
Engineering Teaching Assistant   *Sep 2022–Dec 2025*

- Teach 30+ students per semester Arduino programming and hardware integration, debug code and wiring issues, and guide lab projects from setup to demo.
- Maintain 10+ 3D printers, cut downtime by 25% by implementing preventive maintenance

ENGINEERING PROJECTS

AgentPM,   *Completed Winter 2025*

- Built an AI powered project management web app with React + TypeScript frontend and FastAPI backend.
- Integrated Jira APIs for project sync and used OpenAI to generate reports and risk insights, secured with JWT auth and backed by PostgreSQL.
- Collaborated in a team using GitHub, feature branches, pull requests, and code reviews to ship iteratively and keep main stable.

MySQL Service Quote Portal,   *Completed Fall 2025*

- Built a full stack quote and order portal (React, Express, MySQL) with JWT authentication and role based access (admin vs client).
- Designed the database schema, implemented file uploads, and added PDF export for billing reports.

Fitness Tracking App,   *Completed Winter 2024*

- Developed an Android app for tracking workouts and progress, designed in Figma and built in Android Studio (XML + Java).
- Implemented in Java with Firebase for real time storage of profiles and data.

ADDITIONAL SKILLS

- Fluent in English and Spanish
- Programming Languages: JavaScript/TypeScript, Python, SQL, Java, C++, HTML, CSS
- Frameworks/Tools: React, FastAPI, Firebase, Bootstrap