

# Emmanuel Paz

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## EDUCATION

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### Iowa State University

Bachelor of Science in Software Engineering, Minor in Spanish

Ames, IA

Aug. 2019 – May 2023

## EXPERIENCE

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### Software Engineer

Dec. 2023 – Present

Data Annotation

Chicago, IL

- Developed coding problems and solutions for training multiple LLM coding chatbots for performing data analytics
- Evaluated code quality produced by AI models for correctness, performance, and helpfulness to the user
- Train models with languages including Python, Javascript, C++, NodeJS, ReactJS, and ExpressJS
- Participated in code reviews, making sure submissions were correct and followed style guidelines

### Web Developer

Sep. 2022 – Feb. 2023

Tom Concrete LLC

United States

- Initiated and pitched the concept for a user-friendly website using React.js, securing a contract valued at **\$800**
- Improved website navigation with React Routes, making it easy for users to explore, resulting in positive feedback
- Leveraging CSS/HTML to website look great on all devices by using CSS for responsiveness

### Software Engineering Intern

June 2022 – August 2022

Publicis Sapient

Chicago, IL

- Collaborated a team to build a web app for a retail services client that needed a centralized dashboard
- Served as lead backend engineer to create all API endpoints powered by Spring Boot, SQL and Azure Cloud
- Contributed to frontend focusing on the REST API calls (CRUD) using Axios to ensure consistency in data
- Appeared to daily scrum meetings about UI/Architecture design, feature discovery, and application development

## PROJECTS

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### TrueImpact | React Typescript, Tailwind CSS, PostgreSQL, Supabase

Jan. 2024 – Present

- Focus on frontend using React TypeScript and Tailwind CSS to ensure functionality of the core features.
- Leveraged react routing to create protected routes for different types of users
- Utilized Supabase for authentication and PostgreSQL database management, for secure and efficient data handling
- Planned roadmap includes the implementation of additional features to enhance the overall functionality

### PrairieLearn | NGINX, HTTPS, Git, Google Cloud, Javascript

Aug. 2022 – May 2023

- Established NGINX reverse proxy on a virtual machine for HTTPS encryption and user protection
- Hosted PrairieLearn on GitHub using Linux and Docker for version control and integrity
- Integrated Google Authentication for user logins with varied privileges
- Refactored PrairieLearn codebase to restrict access to Iowa State faculty and students
- Saved Iowa State University **\$1800** per term by hosting PrairieLearn on Iowa State's infrastructure

### Cacyno | Android Studio, Java, Spring, SQL, Git

Aug. 2021 – Dec. 2021

- Fully designed UI/UX and developed the user interface using Android Studio
- Used Java and Volley for complex business logic and HTTP requests to a Spring Boot backend with SQL database
- Implemented web sockets for **real-time** gaming supporting up to six players, interactive in-game chat features
- Ranked 3rd out of 75 teams and ranked among the **top 29 coders** individually out of 300 students

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS,

**Frameworks/Libraries:** React, TypeScript, JUnit, Tailwind CSS, Spring Boot

**Developer Tools:** Git, Docker, Google Cloud Platform, AWS Cloud, NGINX, Firebase, Android

**Methodologies/Concepts:** CI/CD, Agile, RESTful APIs, MVC,