

# Uzziel Valdez Ordoñez

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## PROFESSIONAL SUMMARY

Software Engineering student with experience building web applications, APIs, and data workflows using Java, Python, JavaScript, and TypeScript. Strong foundation in algorithms, object-oriented programming, and backend development. Fast learner focused on delivering efficient and scalable solutions.

## EDUCATION

### • Universidad Autónoma del Estado de México

Toluca, México

• Bachelor's Degree in Software Engineering

August 2022 – January 2027 (Expected)

**Relevant Coursework:** Object-Oriented Programming, Algorithms and Data Structures, Databases, Web Application Development, Data Science and Mathematical Foundations.

## EXPERIENCE

### • CrediFlexi

Metepec, México

• Software and Data Engineer Intern

September 2025 – Present

- Developed internal automation tools and data workflows using Python (FastAPI, Flask, Pandas), improving reporting speed and reducing manual processes.
- Designed and implemented data analysis and reporting modules using SQL to enhance data visibility for internal teams.
- Built and maintained web applications using JavaScript and TypeScript, contributing to features that improved operational efficiency.

## PROJECTS

### • ZonaSegura CDMX – React, TypeScript, Leaflet, Turf.js, Vite, Tailwind

June 2025 – October 2025

- Built an interactive geospatial web application to visualize crime data in Mexico City.
- Processed 808k+ crime records, optimizing 200MB+ CSVs into 30MB GeoJSON datasets.
- Implemented heatmaps, 1km<sup>2</sup> risk zones, and dynamic filters by type, date, and location.
- Added a citizen reporting system with map markers.
- Applied performance optimizations (memoization, spatial sampling, lazy loading) for smooth rendering.

### • Pharmacy Inventory Web Application – PHP, JavaScript, MVC, HTML, CSS

February 2025 – August 2025

- Developed an inventory management system with authentication and CRUD operations.
- Built a responsive interface that improved data accuracy and reduced manual inventory errors.

### • Personal Portfolio Website – Next.js, React, TypeScript, Tailwind CSS

July 2025

- Designed and built a responsive portfolio showcasing projects and technical experience.

## RELEVANT COURSES

- CS50x: Introduction to Computer Science – HarvardX
- CS50SQL: Databases with SQL – HarvardX
- CS50AI: Introduction to Artificial Intelligence – HarvardX
- CS50W: Web Development with JavaScript and Python – HarvardX

## TECHNICAL SKILLS

- **Languages:** Java, Python, JavaScript, TypeScript, SQL
- **Web:** HTML, CSS, React, Next.js (basic), Tailwind CSS
- **Backend & Data:** Django, Flask, FastAPI, Pandas
- **Tools:** Git