

# VANESSA M. CUEVAS ARROYO

• BACHELOR'S IN COMPUTER SCIENCE •



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## EDUCATION

**Tecnológico de Monterrey (ITESM)**

*B.S. in Computer Science Aug 2020 – June 2024*

GPA: 97.3 / 100

Relevant coursework: Programming of Data Structures and Fundamental Algorithms, Object-Oriented Programming, Analysis of Software Requirements

**Exchange Program – Hochschule Karlsruhe (Germany)**

*Aug 2023 – Feb 2024*

Focus: Distributed Systems, Embedded Development, and International Team Projects

## WORKING EXPERIENCE

**C3.ai – State & Local, Law Enforcement Team**

*Software Engineer, Applications Aug 2024- June 2025*

- Led feature development and resolved critical bugs, improving data pipelines and SDL-based components, using TypeScript and the proprietary C3Type language within the C3.ai model-driven architecture
- Designed and implemented comprehensive automated test coverage, decreasing regressions by 25%.
- Prototyped a mobile-first companion app for law enforcement users, enhancing field accessibility and influencing internal product roadmap.
- Improved onboarding by leading a LLM-powered documentation overhaul, reducing developer ramp-up time.

**Luvan Digital – Web Catalog & Digital Transformation**

*Full-Stack Developer & UX Designer Ongoing (2025)*

- Leading the digital transformation of a traditional art and framing business through the creation of a responsive web catalog.
- Designing the UI/UX using Figma and managing development with Next.js, React, TypeScript, Tailwind CSS, Vite, Zustand, and Framer Motion.
- Built search, navigation, and filtering systems to enhance discoverability and future ecommerce integration.
- Managing the entire development lifecycle: design, frontend, backend architecture, and deployment strategy.

**Hewlett-Packard (HP)**

*Software Engineer Intern/ Feb 2023- Jul 2023*

- Conducted sales data analysis using PostgreSQL and Facebook Analytics, boosting prediction capabilities and supporting sales strategy refinement.
- Authored clear documentation to support team usage of internal tools, enhancing daily workflow efficiency.

## PROJECTS

**Reservation app for laundry facilities (UX Designer)**

*UX Designer 2025*

- System for students to be able to schedule and pay for their laundry services
- Designed and prototyped the app using Figma.
- Conducted user interviews to determine and fix usability.

**Women For The Future- Student Group**

*Programming Instructor & Volunteer 2023*

- Programming instructor and volunteer
- Planned several courses around videogame design and development for a summer camp.
- Designed and launched a promotional social media campaign to inspire women and girls to enter in the STEM field.

**Web Project-Recruitment System for IJALTI MANAGER (FrontEnd developer and Project Manager)**

*Frontend Developer 2023*

- App to connect employees and employers (Similar to LinkedIn)
- Planned and monitored the project's progress throughout the development process.
- Generated interfaces and components using Next.js, React, TypeScript, Tailwind and Yarn. Implemented search

## SUMMARY

Software engineer with hands-on experience building reliable, scalable systems across the full stack. Skilled in debugging complex issues, designing clean data flows, and writing robust tests to ensure code quality. Known for driving improvements in performance and maintainability while working closely with cross-functional teams. Brings a proactive, initiative-driven mindset to both product development and internal tooling efforts.