
Lupita Vásquez Fabela

IT Project Manager ▪ AI Systems Designer

📍 New York City ✉ gsvfabela@gmail.com 🌐 [Portfolio](#)

Systems-focused design technologist working at the intersection of agentic AI, cognition, and product strategy. Experienced in prototyping non-deterministic AI interfaces, lightweight orchestration layers, and cognition-aware systems that shape early product direction and decision-making.

Education

MFA Design and Technology

2024 – 2026

[Parsons School of Design](#)

New York City

Merit Scholarship by The New School & Full Scholarship by SECIHTI, Mexican Government

Impact Entrepreneurship Initiative Fellow

B.Sc. Chemistry

2022

[Facultad de Química, Universidad Nacional Autónoma de México](#)

Mexico City

Specialization in Computational Chemistry and Philosophy of Chemistry

Experience

Founder / Product Manager and Interaction Designer

2025 – Present

▼ [Eleva](#) — Cognitive Accessibility Infrastructure for AI Systems

New York City

Incubated during the Impact Entrepreneurship Initiative Fellowship at Parsons School of Design

[Eleva website](#)

- Designed and prototyped agentic AI systems centered on accessibility-driven efficiency, using cognitive constraints to reduce computational cost and operational overhead.
- Built lightweight orchestration layers for LLM-based agents, optimizing short-term memory, tool-calling behavior, and recovery from non-deterministic failure paths.
- Developed early-stage, patent-pending interaction patterns reframing accessibility as product leverage rather than regulatory compliance.
- Conducted qualitative research (interviews, task observation) on user trust, cognitive load, and behavioral responses to non-deterministic AI systems.

IT Transition and Delivery Manager

2023

[Nissan](#)

Mexico City

IT Governance and PMO

- Served as Scrum Master overseeing 7 project managers across 23 concurrent initiatives within IT Governance and PMO operations.
- Designed automated data collection and reporting workflows in ServiceNow, reducing manual reporting overhead and improving data reliability.
- Built PowerBI dashboards to support executive-level visibility into delivery timelines, risk, and resource allocation.

Program Manager

2022 – 2023

[Blue People](#)

Mexico City

Business and Software Development

- Led the end-to-end development of an AWS-based e-commerce platform supporting logistics and warehouse optimization.
- Consolidated infrastructure into a single returns-handling facility by redesigning backend workflows and operational data flows.
- Designed data pipelines integrating Kanban systems into sales management portals, improving cross-team coordination and delivery tracking.

Skills

AI Systems & Orchestration: Agentic systems, LLM orchestration, short-term memory optimization, non-deterministic workflows

Data & Modeling: Statistical analysis, machine learning, data visualization, metrology

Programming: Python, SQL, C++, JavaScript (Node.js), HTML, CSS

ML Frameworks: Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Matplotlib

Product & Workflow: Git, Jira, VS Code, ServiceNow, PowerBI

Design & Prototyping: Figma, Adobe Illustrator, Adobe XD, Adobe Premiere Pro

Languages: Spanish (Native), English (Fluent), French (B1), Portuguese (A1)

Certifications

HCIA-AI

Huawei Training Center, Hangzhou, China, 2024

AWS Partner Accreditation (Technical)

Amazon Web Services, 2022

ITIL Foundation Level

PeopleCert, 2022

Professional Scrum Master I (PSM I)

Scrum.org, 2022

Honors & Awards

Impact Entrepreneurship Initiative Fellowship

The New School, New York City, 2024

IA 1000, Top 100 HCIA-AI Certification Scores in Mexico

Mexico City and Hangzhou, China, 2024

Premio Impacto a la Innovación UNAM, Second Place

Mexico City, 2019

National Chemistry Olympiad, Silver Medal

Guadalajara, México, 2012

IX Concurso Hispanoamericano de Ortografía, Top 5 National Contestant
2008

Mexico City, México,

Publications

A Pragmatist Approach for New Dynamic Ontologies in Chemistry

2022

Undergraduate Thesis, Universidad Nacional Autónoma de México

Supervised by M.Sc. Luis Avelino Sánchez Graillet

Explored temporality as a core dimension of chemical identity, challenging reductionist models and setting foundations for pluralistic dynamic system representation in computational contexts.

[Spanish version](#) [English version](#)

Philosophical Pragmatism and Design as a Workaround to Common Fallacies in Executive Function Enhancement through Artificial Intelligence

2025

Analyzes limitations of reductionist AI narratives through design and pragmatist philosophy, with implications for cognition-aware AI systems.

[English version](#)

Projects

Digital Reins — Haptic Accessibility Interface for Riders with Neurodivergence

2025

BIG FROOTS & GallopNYC — Assistive Technology for Non-Verbal Riders

Developed an innovative haptic feedback rein system to enhance communication and engagement for non-verbal riders with autism and related cognitive disabilities. Adjustable, ergonomic hardware featuring dual power support and millisecond radio transmission to minimize latency and maximize reliability for diverse users.

Lightweight Interface and Backend Layer for LLM Short-Term Memory Optimization (WIP)

2025

Eleva — Impact Entrepreneurship Initiative Fellowship

Designing cognition-aware interfaces and backend layers that reduce token usage while improving content coherence and user engagement. Patent pending.