Lupita Vásquez Fabela

📍 New York City ✉ gsvfabela@gmail.com

Systems-focused designer, scientist and technologist working at the intersection of agentic AI, cognition, and product strategy. Experienced in prototyping non-deterministic interfaces, orchestration layers, and AI 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
Impact Entrepreneurship Initiative Fellow

B.Sc. Chemistry	*2013 - 2018*
Facultad de Química, Universidad Nacional Autónoma de México	Mexico City

Specialization in Computational Chemistry and Philosophy of Chemistry

Experience

Founder / Design Technologist	*2025 – Present*
▽ Eleva (AI startup)	New York City

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

- Designed and prototyped agentic AI systems focused on accessibility-driven efficiency, exploring how cognitive constraints can 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.
- Developing patentable interaction patterns that reframe accessibility as product leverage rather than compliance.
- Conducted qualitative research on user trust, cognitive load, and behavioral response to non-deterministic AI systems.

IT Transition and Delivery Manager	*2023*
Nissan	Mexico City

IT Governance and PMO

Served as Scrum Master managing reports from 7 project managers across 23 project initiatives. Designed automated data gathering systems in ServiceNow and created PowerBI reports for the Project Management Office, streamlining reporting processes and improving efficiency.

Program Manager	*2022 - 2023*
Blue People	Mexico City

Business and Software Development

Led development of an e-commerce portal utilizing AWS cloud products to optimize warehouse operations, reducing infrastructure to a single returns-handling facility. Designed data pipelines for Kanban boards integration in sales management portals, enhancing workflow efficiency.

Skills

Data & Analysis: Data Analysis, Statistical Modeling, Machine Learning, Data Visualization, Metrology
Programming: Python, SQL, C++, JavaScript (Node.js), HTML, CSS
ML & Data Tools: Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Matplotlib
Development & Workflow: Git, VS Code, Jira
Design & Prototyping: Figma, Adobe Illustrator, Adobe XD, Adobe Premiere Pro, Canva
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 *Mexico City, México, 2008*

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 pragmatist philosophy in chemistry, challenging the reductionist paradigm that views chemistry as entirely reducible to physics. Investigated temporal aspects of chemical phenomena, concluding that chemical reactivity and identity are time-dependent properties, and that chemical reality must be understood as temporally local.

Spanish version   English version

Philosophical Pragmatism and Design as a Workaround to Common Fallacies in Executive Function Enhancement through Artificial Intelligence: A Reflection on Neuralink and ChatGPT *2025*
English version

Projects

Using horses as diplomats and translators for interspecies communication: an application of Computer Vision *2025*
AI4MX, association of AI professionals in Mexico.
A lightweight interface and backend layer to optimize LLM short-term memory during document creation, reducing token usage and computational cost while optimizing content quality and increasing user cognitive engagement. *2025*
Eleva, a startup incubated with the help of the Impact Entrepreneurship Initiative Fellowship
Research introduction