

Juan Miguel

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Education

University of Pennsylvania – School of Engineering and Applied Science
B.S.E in Systems Engineering | Minor in Computer Science

Philadelphia, PA

May 2028

- Cumulative GPA: 3.70/4.00

- Relevant Coursework: Programming Techniques I & II, AI Principles, Dynamic Systems, Calculus II & III, Advanced Linear Algebra, Optimization, Micro/Macroeconomics, Accounting.

Professional Experience

Navega Technologies Ltd | Co-Founder & Head of Product | Philadelphia, PA

Oct 2025 – Present

- Led development of Atlas, an AI itinerary lifecycle platform for travel agencies. Notably, cut client-facing itinerary production from 6–8 hours to 8 minutes. Served as a key liaison to the CEO of Partner Cartology Travel.
- Led weekly working sessions with 23 travel agents (to date) to map manual workflows across planning, supplier communications, and live-travel tracking, prioritizing the roadmap directly from observed operational pain points.

Applaudo Studios | Product Management Intern | El Salvador

Jun 2026 – Present

- Mapped the demand-planning process of a US distribution client spanning 1,300+ SKUs through 2–3 weekly stakeholder sessions, co-planning discovery, driving questioning, and synthesizing findings alongside the lead PM.
- Scoped an AI forecasting feature that automates demand planning from historical order data, co-authoring early-stage specs to cut over- and under-stocking without added headcount.

Insigneo Financial Group | Summer Analyst | Miami, Florida

Jun 2025 – Aug 2025

- Ran 10+ primary interviews with importers, wholesalers, and retailers for a \$100M PE fund, mapping the fragmented US supply chain for Latin American food & beverage products end to end.
- Prioritized 12+ acquisition targets across three supply-chain verticals, translating interview signals and self-built DCF/LBO models into an investment thesis, later presented live and adopted into the fund's deal pipeline.

Intradeco | Operations Intern | El Salvador

Jun 2023 – Aug 2023

- Analyzed meter readings across 500+ spinning, weaving, and dyeing machines with the Lean Six Sigma team, identifying a power factor correction that cut plant electrical costs 15%.
- Mapped warehouse flow for 800+ raw materials and contributed to replacing manual counts with a barcode-scanning inventory database, nearly eliminating shortage occurrences across the production lifecycle.

Extracurricular Experience

Machine Learning Researcher | University of Pennsylvania | Philadelphia, PA

Dec 2025 – Present

- Researched how the Linux scheduler handles time-critical decisions and how peer labs tackle ML inference latency in scheduling for the LDOS Lab, becoming the team's reference on competing approaches.
- Benchmarked competing labs' solutions into comparative deliverables the team adopted to guide its implementation of learned resource-management policies.

Claude Builder Club at Penn | Philadelphia, PA

Sept 2025 – Present

- Led weekly workshops on agentic workflows, advanced prompting, and Claude API integration, applying the tooling directly in coursework and in building Navega's Atlas platform.

Product Space @ Penn | Fellow | Philadelphia, PA

Jan 2026 – Present

- Selected as 1 of 14 fellows from 200+ applicants for Penn's product management fellowship, training weekly with working PMs on how product teams operate in the AI era.
- Worked hands-on across the full product lifecycle, from ideation and user research through PRDs, prioritization, roadmapping, and go-to-market, through case exercises on real consumer products.

Operation Hope | Co-Founder & President | El Salvador

May 2020 – June 2024

- Co-founded a youth-led nonprofit during COVID-19 to support Latin American communities, scaling it to 7 countries and 1,000+ members and raising \$150K+ for education and health projects.

Skills & Interests

Languages: English (native), Spanish (native), French (Intermediate)

Programming Languages: Python, Java, JavaScript/TypeScript, OCaml, HTML/CSS, SQL, Bash.

Frameworks & Tools: Claude Code, React, Next.js, Node.js, Supabase, PostgreSQL, Tailwind CSS, Vercel, Gemini API, Claude API, AWS Bedrock, LangGraph, Git.

Interests: Squash (Competed 4+ years), Hiking (Camino de Santiago ×2), Wakeboarding, Theology, and Investing.