

Omar Alexei Nembhard

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Education

Columbia College, Columbia University in the City of New York

Sept 2018 – May 2022

Bachelor of Arts, Psychology · Concentration in Philosophy · Core Scholar

Coursework included Philosophy & Artificial Intelligence, Symbolic Logic, Philosophy of Science, Ethics, Statistics, Research Methods, and Cognitive Neuroscience.

Experience

Coordinex — Founder & Product Builder

Feb 2026 – Present

Operations platform for small businesses · Remote

- Conceived, designed, and shipped Coordinex, a full-stack, multi-tenant iOS platform that unifies scheduling, time-tracking, payroll, expenses, inventory, approvals, document sharing, internal messaging, and reporting for small businesses managing W-2 and 1099 workforces. Live on the App Store and in daily use by paying customers.
- Architected the entire product (authentication, frontend, backend, multi-tenant data modeling, analytics, and Square POS, Stripe Connect, and Resend integrations) and directed frontier AI coding models to implement the build, compressing multi-engineer scope into a solo effort.
- Designed an MCP-based AI agent layer that converts natural-language requests into operational actions: staffing recommendations from live sales data, coverage-gap detection, and approval workflows, with a human confirming every change.
- Own product strategy, pricing, customer onboarding, and roadmap as sole founder.

Tritech Networking & Solutions, LLC — Co-Founder, Operations Lead

2020 – Present

B2B low-voltage network-infrastructure company · Phoenix and Tucson, AZ

- Co-founded the company with my father while completing my degree remotely; it operates project to project, staffing each engagement with independent technicians I recruit, vet, train, and manage.
- Earned and fulfilled network-infrastructure contracts with institutions including the U.S. Department of Veterans Affairs, Honeywell, Waste Management, CyrusOne, Iron Mountain, Hewlett Packard, Refresco, and Nutanix.
- Scope and price projects, specify deliverables for field crews, and verify their output against the client's requirements before sign-off; when a job runs over, document the causes and write the explanation the client receives.
- Run day-to-day scheduling, time tracking, and payroll, and work in a technical capacity as a network technician alongside the crews.

PickItUp — Independent Research Project

2026

iOS litter-cleanup tracker with an on-device material classifier

- Trained an on-device litter-material classifier on the public litter datasets available through Hugging Face, and built the app around it: photograph what you picked up, the model identifies the material, and the app converts it into an estimated carbon figure credited to the user.
- Evaluated each model generation against a fixed accuracy bar before release and documented the results; the write-up is available on request.

Shohamy Lab (Learning Lab) — Research Assistant

May 2019 – Feb 2020

Cognitive neuroscience laboratory · Mortimer B. Zuckerman Institute, New York, NY

- Supported cognitive neuroscience research on learning, memory, and decision making under Dr. Akram Bakkour in the laboratory of Principal Investigator Dr. Daphna Shohamy.
- Maintained, calibrated, and operated eye-tracking hardware and software across numerous concurrent studies; recruited, screened, and ran experimental sessions with participants in accordance with lab procedures and IRB protocols.

Leadership & Civic Engagement

Columbia Vegan Society — President, Vice President, Treasurer

Oct 2018 – May 2022

- Served as president and advocated for plant-based living across campus and the NYC community; organized and delivered public events often exceeding 200 attendees, including educational campaigns, dining initiatives, and advocacy panels.
- Managed the organizational budget with university administrators. Vegan since 2015.

Columbia Effective Altruism — Facilitator & Arete Fellow

Sept 2021 – May 2022

- Led bi-weekly discussion groups on applying principles of rationality to global cause areas, including animal welfare, AI safety and model alignment, pandemic prevention, and climate risk mitigation.
- Represented Columbia EA in intercollegiate collaborations across the U.S. and Europe.

Key Skills & Competencies

- **Research & Analysis:** Background in behavioral and cognitive science research; comfortable with back-of-the-envelope and unit-economics modeling. Proficient in R, Python, SQL, Smartsheet, and Microsoft Office.
- **AI Tooling:** Claude Code, Codex, OpenCode, OpenClaw, and Hermes Agent; MCP integrations; open-source model APIs via OpenRouter; prompt and evaluation design; agentic workflow design and debugging.
- **Languages:** Native: English. Fluent: Swedish. Intermediate: French. Beginner: Spanish.
- **Public Speaking & Media:** Experienced presenter and community builder at workshops, events, and corporate meetings.
- **Work & Travel Readiness:** US citizen and passport holder, valid driver's license, clean driving record, with the ability and willingness to travel extensively, including internationally.