

Isaac Mineo

Role Backend & AI engineer

Location New Haven, Connecticut

Email IsaacMineo@gmail.com

Experience

22 July 2024 – Present

New Haven, Connecticut · Onsite in Hartford, Connecticut

Backend & AI engineer, Accenture Innovation Garage

Joined as Analyst, promoted to Senior Analyst November 2025. Official title: Technology Senior Analyst, Application Engineering

- Built and shipped an internal deployment platform that lets teams deploy applications behind a security perimeter: ALB for traffic distribution, ECS Fargate for container orchestration, reverse proxies, Cognito user pools and groups for authentication, and AWS Verified Permissions for fine-grained role-based authorization. Carried it from staging through to production.
- Contributed to proof-of-concept prototypes for enterprise clients, in two-week sprint cycles.
- Lead client-facing demos and technical Q&A, explaining backend and agentic AI architecture to technical and non-technical stakeholders.
- Cloud governance lead for the Innovation Garage: weekly governance reviews, compliance and infrastructure remediation, access provisioning, and the secure development environment.
- Built an internal client engagement tool and am leading its pilot rollout, working directly with client users on installation, setup, troubleshooting and onboarding.
- Created training videos on agentic AI: AWS Bedrock agents, AgentCore, knowledge bases, LangChain. Co-led an agentic AI design thinking session with senior architecture leaders at an enterprise client.
- Lead weekly peer programming for the Garage team, and built internal tooling that automates documentation and reporting workflows.

November 2025 – Present

New Haven, Connecticut

Independent

iOS and web products

- Build independent iOS and web products, including KinoLog and RecipeFix, with end-to-end work across the interface, backend, deployment and release.
- Develop on-device typing, private voice-memory, deduction-game and adaptive-training systems. Current product case studies distinguish released apps, beta builds and ongoing research.

May 2022 – August 2022

Boston, Massachusetts

Data Analyst Intern

Sports Innovation Lab

- Analysed consumer purchasing data in SQL to define fan personas and audience segments across major US leagues.
- Contributed analysis to a published sports betting report on casino spend, and built a data-cleaning workflow for the analysis.
- Awarded the Jack Langerman Internship, given to the Middlebury student who best embodies the qualities the award is named for.

May 2021 – September 2021

La Jolla, California

Neuroscience R&D Intern

Johnson & Johnson

- Ran iPSC work with PCR and immunostaining analysis in a neuroscience research group.
- Delivered weekly research updates and presentations to the Johnson & Johnson Neuroscience Leadership Team.

Education

2019 – 2023

Middlebury College

- Bachelor of Arts, graduated May 2023 — Neuroscience
- GPA 3.65. Graduated magna cum laude.
 - Coursework: Neural Coding, Data Science in Neuroscience, Introduction to Data Science, Data Structures, Computer Architecture, Linear Algebra, Psychological Statistics.

Certifications

Certified

AWS Certified AI Practitioner

Amazon Web Services

Skills

Languages

TypeScript, Python, SQL, Swift

AI and ML

AWS Bedrock agents and AgentCore, LangChain, MCP servers, Knowledge bases, Anthropic and OpenAI APIs, Retrieval: BM25, embeddings, RRF, Evaluation loops and calibration, Structured output and tool use, Prompt engineering

Backend and data

Node, FastAPI, Next.js, TanStack Start, Postgres, Supabase, Drizzle, Zod, Pydantic

Frontend

React, Tailwind, Vite, TanStack Query, Radix and shadcn/ui, React Hook Form

Cloud and infrastructure

AWS: Bedrock, AgentCore, S3, DynamoDB, ECR, ECS Fargate, ALB, Cognito, Verified Permissions, KMS, Athena, Kendra, IAM, Vercel, Docker, Fly.io, Hetzner VPS, pm2, Caddy, GitHub Actions, Vitest, Playwright, pytest, axe-core

Mobile

Swift, SwiftUI, Xcode, App Store Connect, TestFlight