

Yoni Dayagi

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EDUCATION

University of California, Santa Cruz

Santa Cruz, CA

B.S. in Technology and Information Management

Sep. 2020 - Aug. 2024

Relevant Courses: Database Management Systems, Data Structures and Algorithms, Management of Technology, Information Systems

EXPERIENCE

Software Engineer (Contract) – Idea (AI B2B Startup), Remote

Jan. 2025 - May 2025

- Delivered a working prototype of a custom AI-powered RFP analysis tool for a construction-firm client as the company's sole engineer for 3 months, cutting RFP review from 2–3 days of manual work to under 8 minutes.
- Translated a loosely defined client spec (PDF RFP in, structured analysis out) into a working Python/Flask and Supabase (PostgreSQL) application, owning architecture and tooling decisions end to end.
- Built a RAG pipeline with ChromaDB vector embeddings and cosine-similarity search to work around OpenAI's lack of PDF input, reaching 70–80% accuracy on manually verified outputs.
- Diagnosed the accuracy ceiling, prototyped a Gemini-based alternative, and won management buy-in with a side-by-side demo two weeks before the client demo, raising accuracy to 95%+ and cutting processing time from 15–20 minutes to under 8.
- Shipped the tool in time for management's live client demo, after which the client chose to continue using it.

PERSONAL PROJECTS

MediMind - AI Health Assistant [\[GitHub\]](#) *Python, FastAPI, LangGraph, Gemini API*

Jan. 2026 - Mar. 2026

- Designed a LangGraph agent pipeline that triages each message by severity (emergency, clinical, general, off-topic), injects the user's health profile, vitals, and medications as context, and routes drafts through a critic node that sends unsafe responses back for up to 2 revisions.
- Created an eval harness of 52 labeled cases that gates prompt and model changes on accuracy and emergency recall, validating a move of triage to a lighter Gemini model at 97% accuracy, 7/7 emergency recall, and 0 over-escalations.
- Co-developed the FastAPI backend with a partner, streaming responses over Server-Sent Events while a parallel summarizer node titles new conversations.

When. - Event Scheduling App [\[when-now.com\]](https://when-now.com) *Python, FastAPI, LangGraph, Supabase, Next.js*

Sep. 2025 - Present

- Integrated Google Calendar API and Microsoft Graph (MSAL) behind a provider abstraction, syncing busy slots across multiple OAuth-connected accounts and writing finalized events to each participant's own calendar.
- Developing an agentic chat assistant (LangGraph + Gemini) that creates and edits events through conversation, resolves participants, ranks open slots, and books only after user confirmation, covered by 160 backend and frontend tests.
- Implemented a deterministic scheduling algorithm that ranks candidate windows by conflict count and preferred-slot overlap to surface the top 5 meeting times.

Job Autopilot — Job Search Automation [\[GitHub\]](#) *Python, Gemini API, GitHub Actions*

Mar. 2026 - Present

- Engineered a pipeline that scrapes LinkedIn and HiringCafe listings, scores each against a parsed resume with Gemini, and writes only 80+/100 matches to Google Sheets with deduplication.
- Automated a daily GitHub Actions job that reads Gmail, classifies application replies with rules plus a Gemini fallback for ambiguous emails, updates each application's status, and sends Discord alerts.

SKILLS

- **AI/LLM:** Gemini API, OpenAI API, LangGraph, RAG, LLM evaluation, structured output
- **Integrations:** REST APIs, OAuth 2.0, Google Calendar API, Microsoft Graph, Gmail API, Google Sheets API
- **Languages:** Python, TypeScript, SQL
- **Backend & Data:** FastAPI, Flask, PostgreSQL, Supabase, ChromaDB, Server-Sent Events, WebSockets
- **Frontend:** Next.js, React
- **Tools:** Git, Docker, GitHub Actions, pytest