

ADAM OUKSILI

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EDUCATION

Rutgers University–New Brunswick

Class of 2029

Bachelor's in Computer Science and Mathematics

Relevant Coursework: Data Structures, Computer Architecture, Discrete Structures I & II, Linear Optimization, Linear Algebra, Multivariable Calculus

PROJECTS

Overlappd | Founder & Full-Stack Software Engineer

overlappd.com

- Built and shipped a cross-media social discovery platform with Next.js 14, React, TypeScript, Prisma, PostgreSQL/Supabase, NextAuth, and Tailwind; 39 product pages and 100+ API route handlers.
- Engineered recommendations and taste matching using 42-factor cultural fingerprints, pgvector, multidimensional taste/graph vectors, and 1,536-dimensional embeddings for semantic search and personalized discovery.
- Built production workflows with Inngest, Redis, Supabase Realtime, Vercel Cron, Sentry, and GitHub Actions; integrated Spotify, Steam, Letterboxd, Goodreads, TMDB, and IGDB.

Theoremis | AI Mathematics Workspace

Beta • theoremis.com

- Launched a free, open-source desktop workspace for mathematics, now in public beta, built with Tauri, Rust, React, and TypeScript; signed, auto-updating releases for macOS, Windows, and Linux.
- Built an in-document AI collaborator (Explore, Find gaps, Challenge, Formalize) that runs on the user's ChatGPT plan via Sign in with ChatGPT (OAuth + PKCE) or on local Ollama models.
- Integrated Lean 4 and Mathlib to machine-check proofs, tracking statements from open to verified.

Pelento | AI-Native ASIC & FPGA Design Workspace

Private Development

- Exploring an AI-native workspace for ASIC and FPGA design, with planned AI assistance for RTL development, verification, and EDA workflows; currently in private development.

EXPERIENCE

Sierra Trading Post | Associate, Part-Time

2025–Present

- Work approximately 20 hours per week while carrying a full-time Rutgers course load.

STARS NJ | Computer Science & Mathematics Tutor

- Tutored students in computer science and mathematics, breaking technical concepts into clear, step-by-step explanations.

CAREER EXPLORATION

Merck & Co. | Week-on-the-Job Program — Developed and presented a mock medicine introduction to company leaders.

Endeavor | Week-on-the-Job Program — Built mock celebrity-brand campaign concepts and evaluated mutual value for both parties.

Prudential | Week-on-the-Job Program — Created a mock financial plan and shadowed finance and legal professionals.

Sullivan & Cromwell LLP | Week-on-the-Job Program — Collaborated on a presentation explaining law-firm operations and case workflows.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Java, C, SQL

AI / ML: Embeddings, semantic search, vector similarity, recommendation systems

Frameworks / Data: Next.js, React, Prisma, PostgreSQL, Supabase, Neon, Redis, TanStack Query, pgvector.

Tools: Claude Code, Git/GitHub, Vercel, Inngest, GitHub Actions, Sentry, Codex, Cursor, Antigravity

Spoken: English, Arabic, French (fluent)