

EVAN THOMS

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EDUCATION

Colby College

Bachelor of Science in Computer Science with a Concentration in AI, Mathematical Sciences

Waterville, ME

Expected Graduation May 2027

Relevant Coursework: Data Structures and Algorithms, Analysis of Algorithms, Programming Languages

SKILLS

Proficient: Javascript, Python, Git/Github, Tailwind, Next.js, React.js, Numpy, Pandas, OpenAI GPT-4, Kali Linux

Familiar: Llama 3.1, LangChain, Pinecone, C++, Java, C

Certifications: CompTIA Security+

Foreign Languages: Russian (B1), Spanish (B1), Mandarin (A2), Egyptian Arabic (A1)

PROFESSIONAL EXPERIENCE

Technical Intern

Leidos

San Diego, CA (Remote)

May 2025 – Present

- Automation and end-user testing for Navy-Marine Corps Intranet

Software Engineering Fellow

HeadstarterAI Fellowship

San Diego, CA (Remote)

July 2024 – Sept 2024

- Built and deployed 5 AI projects in 7 weeks using **React JS**, **Next.js**, **Firebase**, **Clerk**, and **Vercel**, following agile methodologies with weekly sprints and incorporated CI/CD practices for iterative deployment
- Developed a **Next.js**-based interactive customer support agent, integrating a custom **RAG** pipeline using **OpenAI** and **Pinecone** for knowledge base-driven responses.
- Built a TikTok Shop clone in **GoLang** with **Redis** for real-time notifications, **PostgreSQL** for content storage, and **Render** for deployment, as well as a Letterboxd-style app using **SteamAPI** and **Express.js** with **MySQL** for personal game ratings—all completed during 24-hour hackathons.
- Designed a smart pantry app with **GeminiAPI Vision** for real-time product recognition and classification, using **Firebase** for data storage and retrieval.
- Participated in weekly sessions with engineers from Google, Y Combinator, Stanford, Amazon and venture-backed startups.

Full Stack Web Developer

dimensionEd: Online Education Startup

San Diego, CA (Remote)

March 2022 – June 2022

- Front-end web development using **Vue.js** and **React.js**, spearheaded website front page design and creation.
- Configured **Stripe** to build an online payment system for **15+ paying customers**. Worked collaboratively with a small group of developers using Github. Managed account information and logins using **OAuth** and **Firebase**.
- Launched a **Discord** bot to allow for online purchasing capabilities and to manage premium subscription status.

Creator of Online Tutoring System

Tutor and Study! Education Platform

San Diego, CA (Remote)

Nov 2020 – Nov 2022

- Orchestrated a worldwide online peer-to-peer tutoring system with over **2,200 members** to help students with high school courses and exams **for free**. Engineered complex text-channel systems to give users access to tutors and resources based on their needs.
- Mobilized staff teams segmented into three departments with hierarchical structures.
- Oversaw **AP-content resource creation** including study guides, informational podcasts, and live section review sessions.
- Over **9,000 lifetime visitors** and **50 qualified volunteer tutors**.

PERSONAL PROJECTS

LumiFlash

AI Flashcard Generator and Study Tool

San Diego, CA (Remote)

August 2024

- Developed a dynamic flashcard generator using **Llama 3.1 LLM**, allowing users to create flashcards on any topic.
- Integrated a **Retrieval-Augmented Generation (RAG)** pipeline with **LangChain** and **Pinecone**, enabling generation based on PDFs or text input
- Designed dynamic and responsive pages using **Next.js** and **Tailwind CSS** for a seamless user experience.
- Configured premium subscription plans with **Stripe API** for pricing and payments.
- Implemented user authentication using **ClerkAPI** to manage user accounts.

ProfAI

AI Scraping and Professor Review Tool

Waterville, ME (Remote)

September 2024

- Built an interactive chatbot that automatically scrapes Rate My Professor using **Puppeteer**, providing students with analyses to assist in course and professor selection.
- Integrated a **RAG** pipeline to insert data into **Pinecone**, enabling highly accurate and up-to-date chatbot responses.
- Developed an engaging frontend with **Next.js** and **Material UI** to enhance user interaction and experience.
- Scraped over **5,000+ professor reviews** across various universities, ensuring comprehensive coverage and up-to-date information.
- Enabled streamlined premium subscriptions by integrating the **Stripe API**, facilitating secure payment processing

OTHER AWARDS

TryHackMe Pre-Security and Offensive Pentesting Paths, Eagle Scout, National Merit Scholar Finalist, California Seal of Triliteracy