EVAN THOMS

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EDUCATION

Colby College   **Waterville, ME**
Bachelor of Science in Computer Science with a Concentration in AI, Mathematical Sciences   *Expected Graduation May 2027*
Relevant Coursework: Data Structures and Algorithms, Analysis of Algorithms, Programming Languages, Computer Organization

SKILLS

Certifications: Active Secret Clearance, CompTIA Security+
Proficient: Python, JavaScript, React.js, Next.js, PostgreSQL, Git/GitHub, GPT-4, LangChain, Tailwind CSS
Familiar: C++, Java, C, Llama 3.1, Pinecone, Kali Linux, Vue.js, Redis, FastAPI
Foreign Languages: Russian (B1), Spanish (B1), Mandarin (A2), Egyptian Arabic (A1)

PROFESSIONAL EXPERIENCE

Technical Intern   **San Diego, CA (Remote)**
Leidos   *May 2025 – August 2025*
- Automated GUI, system compatibility, and security validation tests using **Python** and **Robot Framework** for **Navy-Marine Corps Intranet Windows 11** migration, reduced manual testing time from **40 hours to 30 minutes.**
- Engineered **DoD-grade** cross-platform testing solutions for **Nautilus Virtual Desktop (NVD)** and **Red Hat Linux** environments for configuration validation on government networks requiring **Secret Clearance**
- Led technical evaluation of **10 automation tools**, authored comprehensive white paper and preliminary cost benefit analysis, presented to **senior Navy and contractor stakeholders** to guide enterprise tooling decisions.
- Featured in Leidos internal network article recognizing **exceptional technical analysis,** communication and stakeholder engagement

Software Engineering Fellow   **San Diego, CA (Remote)**
HeadstarterAI Fellowship   *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 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 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
- Designed a smart pantry app with **GeminiAPI Vision** and **Firebase** for real-time product recognition and classification

Full Stack Web Developer   **San Diego, CA (Remote)**
dimensionEd: Online Education Startup   *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   **San Diego, CA (Remote)**
Tutor and Study! Education Platform   *Nov 2020 – Nov 2022*
- Orchestrated a worldwide online peer-to-peer tutoring system with **2,200 members** to help students with high school courses **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-resource content creation** and managed **50+ qualified tutors**, achieving **9,000 lifetime platform users**

PERSONAL PROJECTS

Sentinel   **San Diego, CA (Remote)**
Agentic AI Security Web Scraper   *July 2025*
- Architected **production-grade microservices** platform using **FastAPI**, **Next.js**, and **PostgreSQL**, deployed across 4 cloud providers (**Render**, **Vercel**, **Supabase**, **Upstash**) with **99.9% uptime**
- Engineered agentic AI pipeline with **LangChain** orchestration and **GPT-4o** classification, concurrently processing **200+ multilingual articles weekly** from Russian, Chinese, and English cybersecurity sources
- Built real-time threat intelligence system with **WebSocket** updates and **Redis-backed** task queues, reducing manual research time by **95%.**
- Implemented automated threat processing using **parallel classification**, multi-language translation, and CVSS scoring to deliver structured **vulnerability reports** and **security insights**

LumiFlash   **San Diego, CA (Remote)**
AI Flashcard Generator and Study Tool   *August 2024*
- Developed dynamic flashcard generator using **Llama 3.1 LLM** with **RAG pipeline** (**LangChain**, **Pinecone**) to create study materials from PDFs or text input on any topic, overcoming challenges with multi-format document parsing.
- Built responsive **Next.js** and **Tailwind CSS frontend**, integrated **Stripe API and ClerkAPI** for subscriptions and authentication

OTHER AWARDS

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