

# ALEXANDER HAMIDI

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## EDUCATION

### University of California, San Diego

Expected 2027

*Bachelor of Science, Computer Science – GPA: 4.00*

*La Jolla, CA*

- Coursework: Deep Learning, Computer Architecture, Machine Learning, Digital Design, Software Engineering
- Extracurriculars: Triton AI, SDx (Startup Accelerator) Competitive Programming Club (ICPC, 2nd Regionally)

## EXPERIENCE

### Software Engineer Intern

June 2025 – Present

*Clado (YC X25)*

*San Francisco, CA*

- Optimized a people search engine indexing 1B+ profiles through a custom query language, Supervised Finetuning, and Reinforcement Learning, cutting generation time from 60s to 2s and achieving SoTA performance on benchmarks
- Forward deployed into enterprise clients like Greylock Partners and Salesforce in order to develop custom feature sets and integrate product capabilities into existing systems, leading to high-value commercial contracts

### Software Development Engineer Intern

May 2025 – June 2025

*Amazon Web Services (AWS)*

*Seattle, WA*

- Developing scalable automation infrastructure to standardize regional onboarding of AWS services to reduce manual configuration steps by 40% and cut average deployment time by 35% across 20+ regions
- Engineered fault-tolerant deployment workflows using Step Functions and Lambda, with comprehensive monitoring and alerting, increasing success rate of cross-region rollouts from 82% to 97% in internal staging environments

### Co-Founder, CEO

March 2025 – May 2025

*Declass AI*

*La Jolla, CA*

- Scaled a document redaction company to 5-figure government contract, managing B2G relationships, product vision, and growth strategy. IP acquired by another government contractor.
- Architected full-stack AI-powered redaction system using Next.js, TypeScript, FastAPI, Supabase, and Anthropic API, built automated OCR pipelines with real-time collaboration, access control, and production-ready LLM workflows

### Undergraduate Researcher

February 2025 – April 2025

*Shang Data Lab (UCSD)*

*La Jolla, CA*

- Developed a framework in Python to effectively generate effective multi-agent systems by exploring the configuration space and optimizing modules with reinforcement learning
- Built a pipeline to fine-tune Qwen-7b with domain-specific datasets and techniques, achieving 7% accuracy and 300% cost improvements over single-LLM systems on diverse agentic benchmarks
- Achieved 7% accuracy and 300% cost improvements over single-LLM systems on diverse agentic benchmarks

### Software Engineering Intern

July 2024 – November 2024

*University of California, San Diego*

*La Jolla, CA*

- Improved student engagement by 12% through algorithmic contributions to TritonGPT, a scalable RAG-powered AI agent providing academic assistance, built with vector databases and NLP processing for 500+ DAU
- Built key Mobile features using Flutter, reducing app latency by 30% and integrating 20+ services for 500+ DAU

### Research Assistant

March 2024 – June 2024

*Cal State University, Los Angeles*

*Los Angeles, CA*

- Leveraged Python and BioPython to integrate ML classifiers capable of analyzing large-scale biochemical datasets, achieving an 87% accuracy rate in predicting oxidation-susceptible protein thiols using PyTorch frameworks
- Built scalable, robust web app for the model, increasing researcher engagement by 30% over existing analysis systems

## PROJECTS

**Forsite** | [tryforsite.com](#) | Next.js, FastAPI, Supabase, pgvector, OpenAI, Redis

- Built a semantic search engine indexing 20k+ projects from Product Hunt, HN, Reddit, and arXiv using OpenAI embeddings and pgvector; achieved sub-50ms query latency with optimized PostgreSQL filtering and monitoring
- Optimized search engine through advanced prompt engineering and enriched AI queries, enabling 30% more accurate filtering with comprehensive system architecture design

## TECHNICAL SKILLS

**Languages & Core Skills:** Python, C++, Go, C, TypeScript, Java, SQL, Golang, MLOps, Software Testing, CI/CD

**AI & ML:** Prompt Engineering, LLM Evals, Vector Databases/RAG, AI Agents, Langchain, HuggingFace, PyTorch, OpenAI API

**Infrastructure & Tools:** AWS, Docker, Kubernetes, Git, Supabase, Redis, MongoDB, Next.js, FastAPI, GitLab CI/CD