

Alp Niksarli

704-490-0246 | alniksarli@davidson.edu | San Francisco Bay Area | [LinkedIn](#) | [GitHub](#) | alpniksarli.com

Education

Davidson College	Expected May 2027
<i>Bachelor of Science in Computer Science, Minor in Data Science (GPA: 3.84)</i>	Davidson, NC
<ul style="list-style-type: none">Relevant Coursework: Adv. Deep Learning, Natural Language Processing (TA), Computer Security, Vector Calculus, Theory of Computation, Human Computer Interaction, Software Design, Discrete Structures, Math Modeling	

Experience

Amazon	May 2025 – Aug 2025
<i>(AI/ML) Software Development Engineer Intern</i>	Sunnyvale, CA
<ul style="list-style-type: none">Worked with the AGI team to build a multimodal AI assistant, projected 26% boost in developer productivityRebuilt my team's CI/CD pipeline using AWS CDK (Infrastructure as Code), automating future modifications by 80%Initiated the biggest in-person hackathon in Amazon with 200 intern sign ups and got invited to AGI SVP's office	
Forest Systems	
<i>Software Engineering Intern</i>	May 2024 – Aug 2024
<ul style="list-style-type: none">Optimized site infrastructure, boosting media render speed by 160% (PageSpeed) via caching and CDNsEnsured security of application endpoints by Python scripts for site monitoring, reducing vulnerability risks by 75%	
Fiverr - fiverr.com/alpnix	Sep 2021 – August 2023
<i>Freelance ML Engineer</i>	Remote
<ul style="list-style-type: none">Worked with 51 clients from all around the world on web scraping/automation and data science projects and gigsCompleted all orders successfully with 100% of the clients leaving 5-star reviews and got promoted by FiverrDeveloped a natural language processing (NLP) algorithm for sentiment analysis on chat messages of 80,000+ usersAssisted the migration of database systems from MongoDB to Elasticsearch, boosted query efficiency by 200%	

Projects

Web Agents Research w/ Dr. Kobi Gal <i>Playwright, PyTorch, Redis, WebArena, LLMs</i>
<ul style="list-style-type: none">Evaluated long-horizon agent performance on tasks like coding, navigation, and information retrieval, observing a 14% agent success rate vs 78% human performance and identifying key gaps in planning and memoryDeveloped multi-turn context augmentation framework to raise agent end-to-end task success from 14% to 30%+
GrotN <i>AWS, Langchain, Pinecone, TypeScript, Next.js, Stripe, MongoDB</i>
<ul style="list-style-type: none">Scraped millions of housing listings and generated vector embeddings to power a Retrieval-Augmented Generation (RAG) rental search engine with sub-1200 ms query latency and worked on system designDeployed the full stack Next.js app with Stripe API for payments, MongoDB for user data, and other microservicesReached 500+ users, awarded over \$10,000 through pitching, and interviewed 70 engineers to build a team
Pragma <i>Pytorch, CUDA, OpenAI, Supabase, BeautifulSoup</i>
<ul style="list-style-type: none">Built a full RAG Pipeline with Google Search API and Ragas, ensuring state-of-the-art performance in data accuracyAutomated 2 GB of research data collection from the web across departments like sociology or education studies
Cats' Courses <i>Azure, Python, Flask, Firebase, Twilio, SMTP</i>
<ul style="list-style-type: none">Reverse engineered API endpoints to sent email notifications to Davidson students for spots in their desired classesMore than half of the campus adopted the app within 2 weeks, I was given a position with college's IT team

Skills

Languages & Frameworks: Python, JavaScript, TypeScript, React, PyTorch, SQL, Go, Next.js, Java, TensorFlow, Django
Dev Tools: LLMs, Hugging Face, AWS, NumPy, Git, MySQL, CUDA, JAX, Postgres, Pinecone, Docker, APIs, Langchain, Vim

Awards

Academic: 4th place in Turkish National Research Competition ([Paper](#)); Placed top 700 out of 1,200,000 high school students in the Turkish National Exam (0.05%); Bonner Scholarship; Xerox Award for Innovation & Information Technology
Hackathons: [Optiver Winner](#) in Ada Hacks, [Best AI project](#) in HackHarvard; [1st place and Best use of Defang](#) in VandyHacks; [Best Generative AI project](#) in HackNC; [Best use of Taipy](#) in HopHacks; 1st place in Earthquake Relief Hackathon ([Patent Pending](#)); 1 of top 5 projects in Uber Global Hackathon; President of Hack@Davidson (\$20k in funding)