

ALEX ZAHARIA

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EDUCATION

Seattle University

Master of Science in Computer Science (Data Science)

Seattle, WA

Start: Spring 2025

California Polytechnic State University

Bachelor of Science in Computer Science

San Luis Obispo, CA

September 2020 – August 2024

EXPERIENCE

AI Researcher/Developer

Logic Lab

January 2025 – Present

Seattle, WA

- Researching and developing ML, AI, and LLM tools.
- Empowered 30+ students through tutoring and workshops to reach their academic computer science goals.

Software Engineer/Real Estate Sales Intern

206 Realty

June 2022 – August 2022

Bellevue, WA

- Overhauled legacy database schemas and refined data pipelines to eliminate redundancy and streamline reporting.
- Analyzed two years of sales data to pinpoint high-performing client acquisition strategies, increasing efficiency by 20%.
- Built a Python lead prioritization system that boosted conversion rates by 28%, aligning resources to top prospects.
- Executed 2,000+ targeted cold calls.

Blockchain Developer

HODLRocket & The Secret Society of Pixel Thugs

April 2020 – August 2021

San Luis Obispo, CA

- Worked in a team of 3 to launch a BEP-20 token, surpassing \$30,000 in market cap and managing \$100,000+ in assets.
- Devised 300+ original NFT traits using Adobe Illustrator, emphasizing cohesive branding for the Pixel Thug collection.
- Automated NFT generation for 5,000 unique assets via JavaScript, embedding metadata for marketplace integration.

PROJECTS

Soltix | *React, FastAPI, OpenAI, WebSockets, Gamma Market API, Langchain*

February 2025 – Present

- Designing real-time forecasting tools that synthesize Polymarket event data, social sentiment, and velocity indicators.
- Implemented FastAPI, WebSockets, and Gamma Market API to deliver rapid market insights and event-driven updates.
- Built a sentiment-analysis pipeline via OpenAI API, yt-dlp, and regex to identify investment signals on social media.
- Optimizing forecasting models to identify high-potential opportunities across emerging and established crypto assets.

Cooped-Up | *React, FastAPI, Python, GPT4, DALL-E*

February 2025

- Developed an AI-driven storyboarding tool within 8 hours for the RevereXR Storytelling Hackathon, automating text-to-image generation via GPT4 and DALL-E.

Gridiron GPT | *OpenAI, Python, React, PostgreSQL, Leaflet, Supabase, Illustrator, nfl-verse*

April 2024 – August 2024

- Built a fantasy football analytics toolkit in React that assisted in winning 2/3 fantasy football leagues, earning \$1,000.
- Deployed a high-volume data pipeline to ingest and preprocess 300,000+ NFL records daily from 10+ sources.
- Implemented an LLM-powered search engine using the OpenAI API, converting user queries into PostgreSQL queries.
- Incorporated XGBoost and ensemble methods to rank players, delivering relatively accuracy predictions across leagues.
- Seamlessly integrated with ESPN and Sleeper APIs, offering personalized recommendations to fantasy users.

SKILLS

Soft Skills: Leadership, Adaptability, Decision-Making, Collaboration, Problem-Solving, Creativity, Organization

Large Language Models (LLMs): APIs (OpenAI, Deepseek, Llama), Hugging Face, LangChain, FAISS, RAG, AI Agents

Languages: Java, Python, C/C++, JavaScript, HTML/CSS

Database Management: UML, SQL (Postgre, MySQL, SQLite3), NoSQL (MongoDB)

Software Engineering: React, Agile, TDD, CI/CD, Unit Testing (JUnit, Jest), OOP

Data Science & ML: scikit-learn, NumPy, pandas, Matplotlib, Apache Spark (PySpark), Hadoop, MapReduce

Cloud Platforms: Google Cloud Platform (GCP), AWS (S3), Supabase, Microsoft Azure

Developer Tools: Git, Docker, VSCode, IntelliJ, PyCharm, GitHub, Unix, Figma, Illustrator, Photoshop