

# 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

### Software Developer/Tutor

*Logic Lab*

January 2025 – Present

*Seattle, WA*

- Researching and developing ML 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*

- Optimized database schemas and data pipelines, improving reporting efficiency.
- Analyzed client data and built a Python lead prioritization system, increasing conversion rates by 28%.
- Executed 2,000+ targeted cold calls.

### Blockchain Developer

*HODLRocket & The Secret Society of Pixel Thugs*

April 2020 – August 2021

*San Luis Obispo, CA*

- Co-launched a BEP-20 token, reaching a \$30K+ market cap, and strategically grew \$100K+ in Web 3.0 assets.
- Devised 300+ original NFT traits using Adobe Illustrator, emphasizing cohesive branding for the Pixel Thug collection.
- Generated 5,000 NFTs with JavaScript, embedding metadata and randomizing layers.

## 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