Alex Zaharia

(425) 615-2944 | alex.zaharia4777@gmail.com

alexzaharia.net | linkedin.com/in/alexczaharia | github.com/zahaale20

EDUCATION

Seattle University — Seattle, WA
Master of Science in Computer Science (Data Science) — *Start: March 2025*

California Polytechnic State University — San Luis Obispo, CA
Bachelor of Science in Computer Science — *September 2020 – August 2024*

PROJECTS

Soltix | *Logic Lab* — January 2025 – Present
- Developing a full-stack market analysis and forecasting app to improve Solana investment decision-making
- Leveraged FastAPI, WebSocket, and Gamma Market API for real-time updates on Polymarket events and markets
- Built a sentiment analysis tool to extract insights from social media using OpenAI API, yt_dlp, moviepy, and regex
- Tracking velocity indicators to identify high-value investment opportunities

Gridiron GPT | *California Polytechnic State University, San Luis Obispo* — April 2024 – August 2024
- Built a fantasy football platform on React, earning $1,000 from winning 2 out of 3 leagues in 2024
- Automated a data pipeline to scrape, clean, and aggregate 10+ NFL-related sources on a daily basis
- Architected UML diagrams and Supabase database to manage over 300,000 entries of user and NFL data
- Leveraged the OpenAI API to build a dynamic search tool, transforming user queries into PostgreSQL queries
- Built a drafting tool, trade analyzer, and rankings tables to optimize lineups and trades
- Optimizing ML models using sci-kitlearn to generate projections and analyze matchups
- Integrated with ESPN and Sleeper to allow for personalized fantasy football recommendations

Haggle | *California Polytechnic State University, San Luis Obispo* — January 2024 – June 2024
- Collaborated in a diverse team of 5 to create a full stack online marketplace with React
- Monitored project progress, timelines, and resource allocation, ensuring all milestones were being met
- Developed and managed high-priority user stories, personas, and a comprehensive product backlog in Github
- Designed UML and Figma models for planning frontend/backend designs
- Handled user authentication (login, sign-up, password management), integrating OAuth and nodemailer
- Leveraged TalkJS for developing chat features (chat rooms and inbox), allowing users to 'haggle'
- Implemented unit testing with Jest, TDD, and managed CI/CD pipelines for Azure deployment

EXPERIENCE

Computer Science Tutor — June 2023 – Present
Logic Lab — *Hybrid*
- Empowered 30+ students to reach their academic computer science goals through personalized tutoring

Software Engineer/Real Estate Sales Intern — June 2022 – August 2022
206 Realty — *Bellevue, WA*
- Collaborated with my manager to fully redesign the internal database schema and data collection processes
- Analyzed historical conversion trends to identify key factors for successful client acquisition
- Developed a lead prioritization tool in Python, boosting lead conversion rate by 28%
- Executed 2,000+ cold calls, strategically identifying and setting up high-priority leads for further engagement

Blockchain Project Manager — April 2020 – August 2021
HODLRocket & The Secret Society of Pixel Thugs — *San Luis Obispo, CA*
- Led a team of 8 to launch a BEP-20 token, achieving a $30,000+ market cap and $100,000+ in Web 3.0 assets
- Designed 302 unique traits for the Pixel Thug NFT collection using Adobe Illustrator
- Randomized layers, embedded metadata, and generated 5,000 NFTs using JavaScript

TECH STACK

Programming: Python, Java, C/C++, JavaScript, HTML/CSS, SQL, MongoDB
AI & ML: LLMs (OpenAI, Deepseek, Claude), Prompt Engineering, FAISS, scikit-learn, NumPy, pandas, Matplotlib
Software Engineering: React, Vite, FastAPI, WebSocket, RESTful APIs, Agile, CI/CD, Testing, Git, Docker
Data Engineering: Apache Spark (PySpark), Hadoop, MapReduce, Blockchain (Solidity, BEP-20, Web3.js)
Cloud: GCP, AWS (S3), Supabase, Microsoft Azure