Alex Zaharia

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EDUCATION

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

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

EXPERIENCE

AI Developer — January 2025 – Present
Logic Lab — *Seattle, WA*
- Engineering a full-stack sandbox for Clark, an AI agent, to develop its codebase and tools
- Building a suite of APIs and automated pipelines that leverage prompt engineering to streamline coding workflows
- Utilizing FAISS and OpenAI to embed, index, and retrieve coding contexts, improving coding feedback loops
- Testing accuracy, runtime metrics, and resource usage across models from OpenAI, Deepseek, and Claude
- Researching LLM memory systems, abstraction techniques, continual learning, and deep research to evolve Clark

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
- Sold the Pixel Thug NFT collection for $3,000, showcasing successful branding and execution

PROJECTS

Gridiron GPT | *OpenAI, Python, React, PostgreSQL, Leaflet, Supabase, Illustrator, nfl-verse* 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 | *React, MySQL, PostgreSQL, TalkJS, GCP, AWS, Supabase, Illustrator* 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

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, APIs, Agile, CI/CD, Testing, Git, Docker
Data Engineering: Apache Spark (PySpark), Hadoop, MapReduce
Cloud: GCP, AWS (S3), Supabase, Microsoft Azure