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 Researcher/Developer   January 2025 – Present
Logic Lab   *Seattle, WA*
- Researching Artificial Intelligence & Building Large-Scale Immersive Virtual Experiences
- Empowered 30+ students to achieve their academic computer science goals

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 Developer   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

SKILLS

Soft Skills: Leadership, Adaptability, Decision-Making, Collaboration, Problem-Solving, Creativity, Organization
Languages: Java, Python, C/C++, JavaScript, HTML/CSS, R
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
APIs & Libraries: REST, OpenAI, Leaflet, TalkJS, OAuth, nodemailer, bcrypt, crypto, nfl-verse