Alex Zaharia

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EDUCATION

Seattle University   Seattle, WA
Master of Science in Computer Science - Data Science   *Starting: March 2025*

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

EXPERIENCE

Founder/Computer Science Tutor   January 2025 – Present
Logic Lab   *Sammamish, WA*
- Empowered 50+ students to achieve computer science goals through personalized lessons and mastery projects
- Analyzed business models and developed a scalable plan for expanding tutoring services
- Created a payment model to attract and retain both clients and tutors, resulting in consistent revenue growth
- Developing a full-stack website using React to streamline client/tutor matching, scheduling, payments, feedback

Software Engineer 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 and 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 | *Senior Project - Cal Poly*   April 2024 – January 2025
- 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 | *Group Project - Cal Poly*   January 2024 – June 2024
- Led a 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

Programming: Java, Python, C/C++, JavaScript, HTML, CSS, SQL (PostgreSQL, MySQL), NoSQL (MongoDB), R
Software: React, AWS, Google Cloud, Supabase, Microsoft Azure, Git, Unix/Linux, Jupyter, IntelliJ, Figma, Illustrator
Data & ML: scikit-learn, Pandas, Matplotlib, Apache Spark, Hadoop, MapReduce
Practices: OOP, Agile, CI/CD, TDD, Unit Testing (JUnit, Jest)
Soft: Leader, Quick Learner, Adaptable, Reliable, Collaborative, Excels at Time Management and Organization