ALEX ZAHARIA

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EDUCATION

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

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

CERTIFICATES

Google Project Management — March 2025
Project Initiation, Planning, Execution, Agile, Risk Management, Stakeholder & Team Dynamics

Snowflake Hands-On Essentials — March 2025
Data Warehousing, Costs & Collaboration, Streamlit, Data Lakes, Data Engineering

EXPERIENCE

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

Real Estate Intern — June 2022 – August 2022
206 Realty — *Bellevue, WA*
- Redesigned data pipelines and built a Python lead scoring tool, boosting conversion rates by 28%.
- Executed 2,000+ cold calls to drive client acquisition and qualify leads.

Project Manager (Web 3.0) — April 2020 – August 2021
HODLRocket & The Secret Society of Pixel Thugs — *San Luis Obispo, CA*
- Co-launched a BEP-20 token, reaching a $30K+ market cap, and strategically grew $100K+ in Web 3.0 assets.
- Designed 302 unique traits & generated 5000 NFTs using Javascript, embedding metadata and randomizing layers.

PROJECTS

Cooped Up — February 2025
RevereXR Storytelling Hackathon — *Seattle, WA*
- Storyboarded a VR game on Google Slides to bring Lewis Rudd's story of Ezelle's Famous Chicken's to life.
- Built a social media content creation MVP using Python & OpenAI API (GPT-4o and DALL-E).

Gridiron GPT — April 2024 – August 2024
California Polytechnic State University, San Luis Obispo
- Built a fantasy football analytics toolkit that assisted in winning 2 out of 3 leagues, earning $1,000.
- Deployed a Python data pipeline to ETL 300,000+ NFL records daily from 10+ sources into a Supabase database.
- Engineered a search tool leveraging the OpenAI API to convert user input into PostgreSQL queries.
- Developed an XGBoost-based machine learning model to generate player projections and analyze matchups.

Haggle — January 2024 – June 2024
California Polytechnic State University, San Luis Obispo
- Collaborated in an Agile team of 5 to create a full-stack online marketplace.
- Managed the product backlog on GitHub, monitoring project progress and resource allocation.
- Wrote user stories and created UML and Figma models for frontend/backend designs.
- Engineered user authentication integrating GCP OAuth, nodemailer, JWT, and bcrypt.
- Built chat rooms and inboxes with TalkJS for real-time user interaction.
- Implemented unit testing with Jest, TDD, and managed CI/CD pipelines for Azure deployment.

TECH STACK

Programming: Python, Java, C, JavaScript, TypeScript, SQL (PostgreSQL, MySQL, SQLite)
Web Development: React, Next.js, Node.js, Express.js, FastAPI, Tailwind CSS, Vite
Data & Machine Learning: Scikit-learn, Pandas, NumPy, Matplotlib, Web Scraping (BeautifulSoup, Selenium)
Cloud & DevOps: GCP, AWS, Azure, Snowflake, Supabase, Vercel
AI & Other Tools: OpenAI, Cursor, Suno, Midjourney, Adobe Illustrator & Photoshop