

# Alex Zaharia

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## EDUCATION

### Seattle University

*Master of Science in Computer Science (Data Science)*

Seattle, WA

*Start: Spring 2025*

### California Polytechnic State University

*Bachelor of Science in Computer Science*

San Luis Obispo, CA

*September 2020 – August 2024*

## EXPERIENCE

### AI Specialist/Storyteller

*Logic Lab*

January 2025 – Present

*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

*206 Realty*

June 2022 – August 2022

*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

*HODLRocket & The Secret Society of Pixel Thugs*

April 2020 – August 2021

*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 – Present

- 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-kit-learn 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