Luke Sarausad

425-281-6097 ● lukes25@uw.edu

PROFILE

I am a motivated college student looking to expand my knowledge and experience within the professional software world. Experienced in Object oriented programming and passionate about the intersection of finance and machine learning.

In terms of my career goals, I plan to graduate from the University of Washington with a computer science degree and aspire to enter the software industry with a focus on artificial intelligence and big data. Using my knowledge in computer science and the LLM space coupled with my passion in finance, I want to generate financially effective business solutions.

EDUCATION

University of Washington | B.S. in Computer Science (Data Science Option) - Minor in Business   Expected June 2027
- GPA: 3.84/4.0
- Relevant Coursework: Software/Hardware Interface, Discrete Math, Software Design/Implementation, Calculus I-III, Introductory Programming
- Algorithmic Trading Club / Software Engineering Career Club
- **Java, Javascript, C, Python, Powershell, Object Oriented Programming**

Issaquah High School | High School Diploma   June 2023
- GPA: 3.97/4.0
- 11 AP Courses
- AP Computer Science Principles, AP Computer Science A, Advanced CS topics/projects, Cybersecurity

Experience

Back End Software Engineer Intern   August 2023 - November 2023
Mentee | Remote
- Assisted in engineering software that integrated data using APIs from Typeform/SurveyMonkey of college mentors and mentees into **AmazonDynamo Database**. Also worked on connecting such mentors and mentees by pairing data that had matching preferences like availability and areas of interest.

- Utilized business software called **Zapier** for enhanced integration.

- Gained experience in a startup business environment, expanded knowledge in **Java** and **AWS**

Projects

PopUp
- Popup is an interface that allows users to find or list garage sales and local services
- By integrating AI into the garage sale listing process, it expedites the entire process making it faster and easier for users
- This full-stack web-application was developed using react.js for the front-end and node.js for the back end while using services like MongoDB and AWS EC2 to host and launch the application and store user data.
- I also integrated AWS Rekognition, an AI object recognition software, to identify objects of a garage sale and accurately determine market-competitive prices which gave users the ability to list numerous items in their garage sale with a click of a button.

Stock/Crypto Predictor
- Python based machine learning model that would predict the future prices of certain stocks and cryptocurrencies based on quantitative analysis of financial data and sentiment analysis of contemporary news articles
- Leveraged API's from Yahoo finance and the NY Times to create and manipulate datasets to feed into a model for accurate predictions

SKILLS

Languages: Java, Javascript, Python, HTML/CSS, and C

Frameworks/Services/Libraries: Node, React, MongoDB, DynamoDB, S3, Lex, EC2, Rekognition, Comprehend and pandas