Luke Sarausad

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PROFILE

Motivated computer science student with a strong interest in software engineering, artificial intelligence, and finance. Experienced in object-oriented programming and passionate about applying machine learning to financial solutions. Aspiring to leverage my academic background and technical skills to develop innovative and financially effective business solutions in the software industry.

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
- Engineered software to integrate data from Typeform/SurveyMonkey into an Amazon **DynamoDB** database, facilitating the pairing of college mentors and mentees based on matching preferences such as availability and areas of interest.

- Utilized **Zapier** for enhanced data integration.

- Gained practical experience in a startup environment, with a focus on expanding knowledge in **Java** and **AWS** technologies.

Projects

PopUp
- Developed a full-stack web application that allows users to find or list garage sales and local services.
- Integrated AI into the listing process to streamline and expedite user interactions.
- Utilized React.js for the front-end and Node.js for the back-end, with MongoDB and AWS EC2 for hosting and data storage.
- Integrated AWS Rekognition to automatically identify and price items in garage sales, enhancing user experience by simplifying the listing process.

Stock/Crypto Predictor
- Created a Python-based machine learning model to predict future prices of stocks and cryptocurrencies.
- Combined quantitative financial data with sentiment analysis from contemporary news articles for accurate predictions.
- Leveraged APIs from Yahoo Finance and The New York Times to build and manipulate datasets for model training.

SKILLS

Languages: Java, JavaScript, Python, HTML/CSS, C

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