Jason Xu

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Education

University of Washington, Bothell   **Bothell, WA**

Bachelor of Science, Major in Computer Science   **Expected Graduation March 2024**   *Cumulative GPA:* 3.6 out of 4.0

Relevant Coursework*:* Data Structures, Algorithms and Discrete Mathematics, JavaScript and Responsive Design, JavaScript and Advanced CSS , AI/ML Concepts, Operating Systems

Programming Languages: Python, Java, C/C++, Assembly

UI Technologies: React, JavaScript, TypeScript, HTML, CSS, SCSS, Bootstrap

Testing & Debugging: Postman, Pytest

Backend Technologies: Node.js, Express.js, REST APIs, MongoDB, SQL

Version Control: Git, SQL Developer, Jira

Data Science & Machine Learning: Pandas, NumPy, OpenCV, face_recognition library

WORK EXPERIENCE

OmniSynk AI   Seattle, WA

Full-Stack Intern   July 2024 - Present

- Developed customer-facing product features and optimized the full-stack application for over 1,500 e-commerce listings, resulting in a 30% increase in listing efficiency.
- Designed and built RESTful APIs for inventory management, smart recommendations, and real-time data monitoring, improving response times by 25%.
- Utilized React and advanced CSS for dynamic, responsive front-end development, enhancing the user experience and reducing page load times by 15%.

MBDA Federal Procurement Center, Washington D.C.   Washington D.C.

AI/ML Research Intern   June 2023 - August 2023

- Conducted research on leveraging emerging technologies like machine learning and deep learning, identifying 20+ opportunities for minority business enterprises (MBEs) in federal contracting.
- Authored a 10-page report analyzing advancements in generative AI, transfer learning, and autonomous systems, presenting 5 key applications for MBEs in the federal market.
- Supported initiatives that promoted the adoption of AI/ML tools, resulting in a 15% increase in the use of these technologies among minority-owned businesses.

Seattle University   Seattle, WA

Research Assistant   June 2022 - August 2022

- Developed a Python program to automate the collection and analysis of data from 50+ retirement communities, gathering information on demographics, services offered, and community needs.
- Organized and analyzed the data in Excel, providing insights that contributed to a 15% increase in enrollment for the elderly assistance program.

PROJECTS

E-Commerce Listing Optimization Tool (OmniSynkAI)   Seattle, WA

Full-Stack Intern   July 2024 - Present

Technologies: MERN Stack (MongoDB, Express.js, React, Node.js)

- Designed and developed a full-stack web application managing e-commerce listings, enhancing listing efficiency by 30% across platforms like eBay, Etsy, and TikTok Shop.

- Integrated advanced features like real-time performance tracking and smart selling recommendations, reducing manual updates by 40%.
- Optimized the front-end using React and advanced CSS for improved user experience, achieving a 15% reduction in load times.

Facial Recognition Attendance System   Seattle, WA
Project Developer   September 2024 - Present
Technologies: Python, OpenCV, face_recognition, NumPy

- Developed a real-time facial recognition attendance system, achieving an identification accuracy of over 95%, enabling seamless tracking with minimal errors.
- Automated attendance logging, reducing manual record-keeping by 100% and cutting data entry time by approximately 80%.
- Optimized image processing pipeline, resulting in a 30% improvement in processing speed and allowing the system to handle multiple faces in a single frame without lag.
- Implemented attendance storage in CSV format, saving over 20 hours per month in administrative tasks for record management.

CERTIFICATIONS

University of Washington Professional & Continuing Education   Seattle, WA
Certificate in Front-End Development with HTML, CSS & JavaScript   January 2024-October 2024

ADDITIONAL

- Selected for a fellowship promoting civic engagement and leadership among Asian Pacific Americans, participating in community outreach and leadership development programs.
- Basketball/Stock Market Enthusiast | Avid fantasy football player