Stanley Yang

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EDUCATION

University of Washington, Seattle, WA   Expected Graduation: June 2026
Bachelor of Science in Computer Science
- Major GPA 3.89/4.00, overall GPA 3.76/4.00
- Relevant Courses: Programming Languages, Software Design And Implementation
- Completed Honor Math 13x Accelerated Calculus Series
- Dean's List for 2022-2023 academic year

EXPERIENCES

Researcher, Seattle, WA   Jun. 2023 – Aug. 2023
Summer Researcher, University of Washington PLSE Lab
- Developed SQLite scripts to streamline importing and testing process on datasets with a special focus on NULL values
- Conducted data preprocessing by parsing and cleaning raw data to address various complex formatting issues
- Employed database attaching methods to seamlessly facilitate data integration and analysis, avoiding the need for explicit joins and simplifying query construction
- Skillfully tested and executed view scripts and complex queries on bulk data, ensuring the scalability and robustness

Teaching Assistant, Seattle, WA   Mar. 2023 – Jun. 2023
Teaching Assistant in CSE 341 spring quarter 2023, University of Washington
- Led quiz section meetings and conducted office hours to support student learning
- Maintained electronic bulletin boards and assisted in resolving student issues
- Designed customized lessons to cater to the diverse learning needs of over 20 students
- Assisted the professor in course management by grading over 100 assignments

Researcher, Oberlin, OH   Jul. 2021 – Sep. 2021
Pioneer Academics Research, Summer 2021
- Conducted individual research focusing on the mathematics of ranking, earning research credit awarded by Oberlin College
- Developed a novel multi-competitor Elo rating system to enhance accuracy in ranking analysis
- Assessed its viability through the calculation of average mean square errors, validating its effectiveness
- Applied the ranking system on Codeforces by analyzing 20 tip-tier contests with a total of approximately 20,000 participants

TECHNICAL PROJECT

Campus Path Finder, Seattle, WA   Feb. 2023 – Mar. 2023
- Developed a generic ADT and applied it to a campus map using Java
- Designed a web application following the MVC pattern for finding the shortest path between any two buildings
- Utilized React and the Spark framework to create a user-friendly GUI
- Analyzed a database comprising over 5,000 campus coordinates to establish navigational paths between 52 buildings

EXTRACURRICULAR/COMMUNITY INVOLVEMENT

Student Volunteer, Bellevue, WA   Jun. 2023
Student Volunteer in SIGMOD 2023, Summer 2023
- Provided technical assistance to attendees and collaborated with session chairs and presenters
- Volunteered for four research sessions, one workshop and one tutorial session
- Assisted over 500 leading scholars in the field of database systems

Volunteer, Seattle, WA   Jan. 2023 – Present
CIRCLE (Center for International Relations & Cultural Leadership Exchange) Ambassador,
University of Washington
- Assisted in organizing weekly events to foster friendships and culture exchange among participants
- Cultivated relationships with over 300 participants from diverse cultural backgrounds and with various interests

SKILLS
- **Programming Languages:** Proficient in Java, C/C++, Python; Familiar with MATLAB, OCaml, JS, Racket, SQL
- **Frameworks:** Familiar with ReactJS, Spark, Android Studio
- **Languages:** Native proficiency in Mandarin, Full professional proficiency in English