**Stanley Yang**

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**EDUCATION**

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| **University of Washington,** Seattle, WA  *Bachelor of Science in Computer Science* | Expected Graduation: June 2026 |
| * 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**

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| **Researcher**, Seattle, WA  *Summer Researcher, University of Washington PLSE Lab* | Jun. 2023 – Aug. 2023 |
| * 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  *Teaching Assistant in CSE 341 spring and autumn quarter 2023, University of Washington* | Mar. 2023 – Jun. 2023 Sep. 2023 - Present |
| * 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  *Pioneer Academics Research, Summer 2021* | Jul. 2021 – Sep. 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**

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| **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 for navigation * Analyzed a database comprising over 5,000 campus coordinates to establish paths between 52 buildings | |

**EXTRACURRICULAR/COMMUNITY INVOLVEMENT**

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| **Student Volunteer**, Bellevue, WA  *Student Volunteer in SIGMOD 2023, Summer 2023* | Jun. 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  *CIRCLE (Center for International Relations & Cultural Leadership Exchange) Ambassador,*  *University of Washington* | Jan. 2023 – Present |
| * 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**

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| * **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 |