**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 (Programming Languages & Software Engineering)* | Jun. 2023 – Aug. 2023 |
| * Created 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. * Utilized database attaching methods to facilitate data integration and analysis, avoiding the need for explicit joins and simplifying query construction. * Successfully 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 quarter 2023, University of Washington* | Mar. 2023 – Jun. 2023 |
| * Led quiz section meetings and held office hours to support student learning * Maintained electronic bulletin boards and provided assistance to resolve student issues * Designed tailored lessons to meet the diverse learning needs of over 20 students * Graded over 100 assignments to assist the professor in course management | |
| **Math Tutor**, Wuhan, China  *Owner of “StanleyYang Talking about Math Video” channel on WeChat* | Feb. 2021 – Nov. 2021 |
| * Created and posted math tutorial videos on WeChat platform once every two weeks * Proactively resolved viewer requests for specific content to address their needs * Supported math studies of more than 350 students with 26 videos | |
| **Researcher**, Oberlin, OH  *Pioneer Academics Research, Summer 2021* | Jul. 2021 – Sep. 2021 |
| * Conducted individual research with Davidson College Professor Timothy Chartier, focusing on the mathematics of ranking * Awarded research credit by Oberlin College * Analyzed the Codeforces Rating System which took into account around 20,000 participants | |

**TECHNICAL PROJECT**

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| **Campus Path Finder,** Seattle, WA | Feb. 2023 – Mar. 2023 |
| * Developed a generic ADT and implemented it on a campus map using Java * Created a web application using the MVC pattern to find the shortest path between any two buildings * Employed React and Spark framework to build a GUI * Analyzed a database of over 5,000 campus coordinates and navigated paths between 52 buildings | |

**EXTRACURRICULAR/COMMUNITY INVOLVEMENT**

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| **Student Volunteer**, Bellevue, WA  *Student Volunteer in SIGMOD 2023, Summer 2023* | Jun. 2023 |
| * Helped provide technical assistance to attendees and coordinate with session chairs and presenters * Volunteered for four research sessions, one workshop and one tutorial session * Benefited over 500 top scholars in the area of database systems. |  |
| **Volunteer,** Seattle, WA  *CIRCLE (Center for International Relations & Cultural Leadership Exchange) Ambassador,*  *University of Washington* | Jan. 2023 – Present |
| * Assisted in running weekly events for participants to make friends and learn about different cultures * Cultivated relationships with over 300 participants over various culture backgrounds and 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 |