

Jun Wang

junwang0510@hotmail.com | 425-500-4384 | github.com/junwang0510 | linkedin.com/in/junwang0510

EDUCATION

University of Washington, GPA: 3.93

Sep. 2021 – Jun. 2024

Bachelor of Science in Computer Science

Seattle, WA

- **Skills:** Java, Python, C, SQL, TypeScript, Git, \LaTeX
- **Relevant Coursework:** Data Structures, Algorithms, Database System, Software Design & Implementation, Parallelism, Linear Algebra, Discrete Mathematics

TECHNICAL EXPERIENCE

Advanced Robotics at the University of Washington

Jan. 2022 – Present

Software Engineer

Seattle, WA

- Implemented message loggings for referee data (competition result, real-time data, robot id, warning).
- Parsed depth camera data from RealSense camera to compute the 3D position of each target plate relative to the camera.
- Projected camera-relative coordinates to world-relative positions by applying translational and rotational offset.
- Evaluated competition requirements and collaborated across subteams to plan an end-to-end system.

TechTogether Seattle

Jun. 2022 – Aug. 2022

Programming General Member

Seattle, WA

- Brainstormed coding challenges and workshops for a hackathon targeting gender-marginalized groups (~500 people) and recruited ~50 volunteers, mentors, and judges.
- Collaborated across subteams (marketing, technical, programming), companies, event vendors, and local ecosystem stakeholders to hit event diversity goals.

HD Education

Dec. 2021 – Jun. 2022

Computer Science Tutor

Seattle, WA

- Prepared and taught weekly lessons (~2 hours) about procedural programming concepts, basic control structures, and fundamental data structures in Java to a class of ~20 people.
- Answered students' questions outside class and provided related programming exercises after each class.

Stanford University

Oct. 2019 – Feb. 2020

Research Assistant

Stanford, CA

- Assisted in the research project entitled "Personalized Recommender Systems: From Collaborative Filtering to Deep Learning".
- Developed popular algorithms for recommender systems, such as collaborative filtering, matrix factorization, and deep neural networks, and applied them to real-world datasets.

PROJECTS

Campus Map

Jul. 2022 – Aug. 2022

- Utilizes Dijkstra's algorithm to find the shortest path between two buildings on campus.
- Made with model-view-controller pattern consisting of a variety of modular components with a thorough test suite, including but not limited to: generic graph class, generic campus map class, back end java spark server, front end React components.
- **Tools/Languages:** Java, Spark Java, React, TypeScript, CSS

Appointment Reservation System

May 2022 – Jun. 2022

- Allows various interactions between patients and caregivers (create or log in patients and caregivers, book or cancel a reservation, update vaccine doses, etc.)
- Applied SQL queries to assist users in selecting a suitable appointment by a series of constraints, such as caregiver, vaccine, and date.
- **Tools/Languages:** SQL, Java, JDBC, Microsoft Azure

LEADERSHIP & VOLUNTEERING EXPERIENCE

Xiantao Leprosy Village

Aug. 2020 – Mar. 2021

Event Organizer, Information Presenter

Wuhan, Hubei

- Brought food and daily necessities for leprosy-infected elders, cleaned the households and designed interactive games.
- Carried out a series of research and publicity work with other volunteers, such as creating questionnaires and posters to promote leprosy knowledge.

Wuhan Cubing Association

May 2015 – Jul. 2020

Event Organizer

Wuhan, Hubei

- Organized monthly in-person meetings and local speed-cubing competitions for 500+ participants.
- Monitored social media group chat for the organization and hired new members weekly.