

Phillip Tran

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EDUCATION

University of Washington

B.S. Computer Science

Seattle, WA

September 2019 – June 2022

PROJECTS

Distributed System | CSE 452 (Distributed Systems)

- Collaborated with a partner to design and implement a transactional key-value store in Java using the Multi-Paxos algorithm, resulting in a highly available, scalable, fault-tolerant product
- Coordinated team meetings and established efficient workflow and testing procedures in Git, improving team productivity and communication

Multi-Agent Pac-Man | CSE 473 (Intro to AI)

- Built a reflex agent in Python by utilizing reinforcement learning to teach Pac-Man how to avoid ghosts while aiming for a good score
- Improved the success rate of Pac-Man staying alive by using Minimax, a decision-making algorithm resulting in a 100% win rate

Husky Maps | CSE 332 (Data Structures & Parallelism)

- Developed a web application to find the quickest path from two locations on the UW campus using A* search algorithm
- Utilized JavaSpark to implement the backend server, ReactJS for frontend UI, then deployed using Heroku

SKILLS

Proficient Languages: Java, Python

Prior Experience: C, C++, C#, JavaScript, Html, CSS, SQL

Tools: Visual Studio Code, Git, Linux, IntelliJ, JavaSpark, ReactJS, NodeJS, Azure, AWS, Heroku, Tableau, Unity

WORK & VOLUNTEER EXPERIENCE

Vietnamese Martyrs Parish Tukwila, WA ~ Catechist

September 2017 – June 2018

- Collaborated with other catechists to manage and prepare events for over a hundred students leading to a successful and well-organized program
- Fostered a supportive and inclusive learning environment, promoting respect and kindness among students and modeling positive behavior, resulting in a safe and welcoming space for learners

Seattle Great Wheel, Pier 57 Seattle, WA

August 2016 – February 2018

~ Platform Assistant, Greenroom Photographer, Alcohol Patrol

- Engaged with guests in a friendly and professional manner, answering questions and resolving issues to provide a high level of customer service and enhance their overall experience
- Operated photography equipment in the green room capturing memorable moments for customers and providing them with high-quality photos for purchase

Seattle Public Library, Learning Buddies Seattle, WA ~ Tutor

October 2016 – December 2016

- Mentored elementary students by helping with homework assignments, answering questions, and providing guidance resulting in improved academic performance and increased confidence
- Engaged with students in reading and math games, which received positive feedback from students and increased interest in the library's programs