

# Phillip Tran

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## EDUCATION

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### University of Washington

B.S. Computer Science

GPA: 3.24

Coursework: Data Structure and Parallelism, Database Management, Software Design, Distributed Systems, Data Visualization, Artificial Intelligence, Computer Security

Seattle, WA

September 2019 – March 2022

## PROJECTS

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### 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 consensus algorithm, resulting in a highly available, scalable, and 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 using reinforcement learning to teach Pac-Man, leading to an improved ability to avoid ghosts and achieve high scores
- 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 331 (Software Design & Implementation)

- Developed a web application to find the quickest path from two locations on the UW campus using A\*s search algorithm
- Used ReactJS to build the front-end and Java Spark for the back-end server, and utilized JSON for sending data between the front-end and back-end, then deployed to Heroku

## SKILLS

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**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

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### 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 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

### Seattle Public Library, Learning Buddies Seattle, WA ~ Tutor

October 2016 – December 2016

- Mentored elementary students by helping with homework assignments and providing guidance resulting in improved academic performance and increased confidence