

# Wen Qiu

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## EDUCATION

### **University of Washington- Seattle**

*Sep 2017- Expected Jun 2022*

- B.S. in Computer Science and Engineering, GPA 4.0/4.0
- STARS Scholar: highly competitive engineering enrichment program for Washington state students from underserved high schools. STARS utilizes a holistic model to build a strong foundation in math and science to ensure success in engineering and computer science.
- Coursework: Data Programming, Web Programming, Software Design & Implementation, Hardware/Software Interface

## SKILLS

- Technical: Java, C#, Swift, Git, Unity, Python (Pandas, Seaborn, Matplotlib, Scikit-Learn), HTML, CSS, Javascript, PHP, SQL, React, Beginner React Native
- Design: Sketch, Adobe XD, Adobe Photoshop CC, Abstract
- Language: Mandarin (native), Cantonese (native), English (fluent)

## INTERNSHIPS

### **UX Engineering Intern / Microsoft / Redmond, WA**

*Jun 2019- Sep 2019*

- Designed and implemented an app demo leveraging iOS shared component library for Microsoft mobile prototypes
- Developed usability testing plan and conducted 6 in-person interviews with potential users
- Automated bulk icon import and configuration in Xcode with Python and reduced the import time to under 5 minutes

### **New Technologist / Microsoft / Redmond, WA**

*Jun 2018- Aug 2018*

- Led a four-person team to create an iOS prototype to connect teachers to professionals on LinkedIn
- Refined the interface through multiple iterations and implemented the backend data model for a dynamic demo
- Pitched the app to a group of Microsoft M365 CVP's, Sr. Software Engineers, and Sr. Program Managers

### **Software Engineering Intern / Autodesk / Lake Oswego, OR**

*Jun 2017- Aug 2017*

- Built 2 new features for FRC Simulator Synthesis with Unity Engine on robot camera and sensor
- Helped improve user interface, expanding the user base by the end of the internship
- Speaker in a female mentor recruitment event partnered with Oregon FIRST Community

## TEACHING

### **CSE 14X Teaching Assistant / University of Washington**

*Sep 2019- Dec 2019*

- Prepared and led two sections every week teaching various Java topics including recursion, inheritance, and use of data structures including Maps, Sets, LinkedLists, Binary Trees, etc.
- Helped students with course concepts and programming projects in the computer labs

### **CSE 190Z Teaching Assistant / University of Washington**

*Apr 2019- Jun 2019*

- Arranged weekly one-on-one meetings with 4 students to provide personalized support on CSE 143 coursework
- Planned weekly workshops and graded quizzes and mocked exams for 28 students

## PROJECTS

### **LinkedList Playground**

- A simple interactive tool for visualizing LinkedList structure incorporating CSS animation

### **Adapted Toy Inventory**

- A site for parents to explore adapted toys available with connection to a SQL database via PHP

### **Kickstarter Data Analysis**

- A Python project investigating trends behind backer behaviors on Kickstarter using machine learning