

**Joyce Zhou**

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## EDUCATION

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**Master of Science** *University of Washington* **2019 - Present**

Studying Computer Science in a combined BS/MS program.

**Bachelor of Science** *University of Washington* **2015 - 2019**

GPA 3.94, magna cum laude

Major: Computer Science (data science) with honors

Minor: Mathematics

Early entrance through UW Academy program: admitted to UW after 10th grade.

## RESEARCH EXPERIENCE

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**MS Research Project** **2019-Present**

*Prof. Dan Weld (UW, Paul G. Allen School of Computer Science & Engineering)*

Developing and evaluating new explanation styles for AI. Working together with Gagan Bansal.

**BS Thesis: Finding and evaluating RNA motifs with CMfinder** **2019**

*Prof. Larry Ruzzo (UW, Paul G. Allen School of Computer Science & Engineering)*

Studying potential structured RNA sequences using CMfinder. Worked across alignment block boundaries and evaluated similarity of found covariance models.

**Research Assistant** **2018 - 2019**

*Prof. Emily Pahnke (UW, Foster School of Business)*

Collected, organized, and cleaned data from diverse sources to form an original data set.

## TEACHING EXPERIENCE

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**Teaching Assistant** **2018 - Present**

*Paul G. Allen School of Computer Science & Engineering*

Taught sections of 20+ students and assisted individual students in office hours. Wrote and reviewed course handouts, homework, and exams. Graded student programming assignments and exams.

2019AU: CSE374 (Programming Tools & Concepts) with Tyler Pirtle

2019SP: CSE369 (Introduction to Digital Design) with Justin Hsia

2019WI: CSE369 with Justin Hsia

2018AU: CSE331 (Software Design & Implementation) with Pf. Mike Ernst

2018SP: CSE331 with Leah Perlmutter

**Private tutor** **2017**

*Self-employed*

Taught concepts in introductory programming to CS students outside of UW.

## AWARDS & HONORS

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Phi Beta Kappa

## SKILLS

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<i>Technical</i>	Java (Oracle Certified Professional Java 8) C, C++, JavaScript, Python, SQL, L <sup>A</sup> T <sub>E</sub> X
<i>Languages</i>	Proficient in spoken Shanghainese Proficient in spoken Mandarin Chinese Intermediate in written/spoken Spanish

## MISC

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Currently mentoring a Technovation team for the 2019-2020 season.  
Occasionally contribute to Debian packages.  
I make plushies as a hobby.