

# Joyce Zhou

<https://cephcyn.github.io>  
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## EDUCATION

### U OF WASHINGTON, SEATTLE

#### MS IN COMPUTER SCIENCE

Expected Jun 2020  
Cum. GPA: N/A

#### BS IN COMPUTER SCIENCE

##### MINOR MATHEMATICS

Jul 2019

Data Science focus

Departmental Honors

Early entrance through UW Academy

Cum. GPA: 3.94 / 4.0

magna cum laude

## LINKS

GitHub:// [cephcyn](#)

Keybase:// [cephcyn](#)

## SKILLS

### PROGRAMMING

Experienced:

Java (OCP Java 8) • Python • Shell

Familiar:

C • C++ • JavaScript • HTML/CSS

Shell •  $\text{\LaTeX}$

### LANGUAGES

Proficient in spoken Mandarin Chinese

Proficient in spoken Shanghainese

Intermediate in written/spoken Spanish

### MISC

Plushie-making hobbyist

## RESEARCH

### LAB FOR HUMAN-AI INTERACTION

Aug 2019 – Present

Working with **Gagan Bansal** and **Prof Dan Weld** on developing and evaluating new explanation styles for human-AI teams.

Publication in preparation.

### INDEPENDENT PROJECT | BACHELOR'S THESIS

Sep 2018 – Aug 2019

"Finding and evaluating RNA motifs with CMfinder" available online

Advised by **Prof Larry Ruzzo**. Developed a set of tools (**blockmerge** and **crosscompare**) and a pipeline centered on CMfinder to search for fRNA sequences across alignment block boundaries and cluster found covariance models.

### INDEPENDENT PROJECT | UNDERGRADUATE RESEARCH ASSISTANT

Mar 2018 – Jun 2019

Assisted **Prof Emily Pahnke** by collecting, organizing, and cleaning data from a diverse range of websites (social media, blogs, business homepages) to form an original data set.

## TEACHING / MENTORING

### UNIVERSITY OF WASHINGTON | TEACHING ASSISTANT

Jun 2018 - Dec 2019

- 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.
- 2019 Au: **Programming Tools & Concepts** (CSE374) w/ Tyler Pirtle
- 2019 Sp: **Introduction to Digital Design** (CSE369) w/ Justin Hsia
- 2019 Wi: **Introduction to Digital Design** (CSE369) w/ Justin Hsia
- 2018 Au: **Software Design & Implementation** (CSE331) w/ Prof. Mike Ernst
- 2018 Su: **Software Design & Implementation** (CSE331) w/ Leah Perlmutter

### PRIVATE TUTOR

Misc 2017

- Taught concepts in intro programming to CS students outside of UW

## HONORS

2018   top 10%ile   Phi Beta Kappa Honor Society