

# Yichen (Emma) Wang

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## Education

**Cornell University • Ithaca, NY**

Aug 2018 – Dec 2021

B.S Information Science

### Awards

Dean's List (Fall 2019, Fall 2020, Spring 2021)

### Relevant Coursework

Human-AI Interaction Research • Human-Computer Interaction Design • Qualitative User Research and Design Methods • Designing Technology for Social Impact • Data-Driven Web Applications • Introduction to Machine Learning • Introduction to Data Science • Object-Oriented Programming and Data Structures • Introduction to Computing Using Python

## Research Experience

**Undergraduate Researcher • Cornell University**

Aug 2021 – Dec 2021

Advisor: Houston Claire, PhD student | Robots in Groups Lab

- Worked on project related to understanding users' perceptions of fairness regarding AI work allocation in teams
- Coded a fairness rating scale to be used in a user study

**CRA DREU Research Intern • Dartmouth College**

Jun 2021 – Aug 2021

Advisor: Dr. Elizabeth Murnane | Empower Research Lab

- Worked on the development of AISpy, a speech agent capable of playing turn-taking, contextually aware games with kids to support conceptual learning and commonsense knowledge acquisition
- Used Python to develop functionality to query and process commonsense knowledge concepts and generate question-answer pairs using question-answer generation models

**Undergraduate Researcher • Cornell University**

Sep 2020 – Dec 2020

Advisor: Dr. Qian Yang | Designing-AI Lab

- Worked on project related to understanding users' boundaries of personalization and creepiness when interacting with natural language generation systems
- Conducted a literature review on privacy in HCI and creepiness, helped plan semi-structured interviews, helped write screening questions, and conducted pilot interviews

## Presentations/Conferences

**Grace Hopper Celebration • Virtual**

Sep 2021

- Was a speaker at the Grace Hopper Poster Session where I got to share my DREU work

## Teaching Experience

**Undergraduate Teaching Assistant • Cornell CIS**

Sep 2020 – Dec 2021

INFO 4240: Designing Technology for Social Impact (Fall 2021)

- Lead discussion section of ~20 students, grade and provide feedback on design workbooks and mini projects

INFO 3450: Human-Computer Interaction Design (Spring 2021)

- Mentored ~20 students on group projects, helped facilitate lecture and discussion section, graded assignments

INFO 1300: Introductory Design and Programming for the Web (Fall 2020)

- Led lab section of ~60 students, held weekly office hours, graded assignments

## Volunteer Experience

### Splash Teacher • Cornell Splash

May 2021

How to Design an App Without Code

- Planned and led a workshop on Figma for ~15 high school students

## Extracurricular Activities

Creative Computing at Cornell • Women in Computing at Cornell • Society of Asian Scientists and Engineers

## Skills

### Programming

HTML • CSS • JavaScript • d3.js • Python • Java • PHP • SQL

### UX Skills

Qualitative Research • UX Design

### Applications

Figma • Fusion 360 • Arduino • Adobe XD • Balsamiq • Microsoft Office

### Hardware

Laser Cutting • 3D Printing