

Yichen (Emma) Wang

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Education

Cornell University • Ithaca, NY

Exp. Dec 2021

B.S Information Science

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 – Present

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

- Working on project related to understanding users' perceptions of fairness regarding AI work allocation in teams
- Coding 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 – Present

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

Last updated: October 2021

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

Applications

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

Hardware

Laser Cutting • 3D Printing