Yichen (Emma) Wang

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Education

Cornell University • Ithaca, NY   Exp. Dec 2021
B.S Information Science
Relevant Coursework
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 – May 2021
Advisor: Dr. Qian Yang | Designing-AI Lab

- Worked on projects 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

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

Volunteer Experience

Splash Teacher • Cornell Splash   May 2021
How to Design an App Without Code

Last updated: October 2021

- 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