

Cindy Hu

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EDUCATION

Northwestern University, Evanston, IL

Anticipated Graduation: June 2023

Dual Bachelor of Science Degrees in Computer Science and Communication Studies

GPA: 4.0/4.0

Honor/Awards: Murphy Institute of Scholars, Summer Research Award from McCormick School of Engineering

Relevant Coursework: Data Structures and Algorithms, Introduction to Artificial Intelligence (Fall 2020), Machine Learning (Fall 2020), Full-Stack Website Development (online: Udemy)

TECHNICAL SKILLS

Programming Languages: JavaScript, Python, HTML/CSS, C, C++, Git, SQL, MATLAB

Libraries & Tools: jQuery, Node.js, Express.js, React, Meteor, P5.js, ML5.js, MongoDB

ENGINEERING EXPERIENCE

Delta Lab at Northwestern University, Evanston, IL

June 2020 – Present

Undergraduate Researcher

- Conduct qualitative analysis on interview data to understand behaviors of novice programmers
- Build algorithms in Python to detect moments in a programming session where a programming beginner might be experiencing negative emotions
- Co-author a paper that will be submitted to a human-computer interaction conference in December 2020

Web Developer

- Assist graduate students in upgrading the lab website with new features through Meteor
- Design new user interface and improve back-end functionalities for the lab members to edit personal profiles and research projects easier

Develop + Innovation for Social Change, Northwestern University

Operations Chair

March 2020 – Present

- Manage \$4500 dollars of annual budget and draft applications for funding from the university
- Serve as secretary to facilitate back-end operations and recruitments for the organization

Web Developer, Client: Evanston Development Cooperative

January 2020 – June 2020

- Developed an informational website about accessory dwelling units (ADUs) and how ADUs could tackle the housing crisis in Chicagoland
- Collaborated with a team of 6 students to communicate and coordinate project details with representatives from Evanston Development Cooperative

Design Thinking and Communication Course, Northwestern University

Client: Segal Design Institute of Northwestern University

March 2020 – June 2020

- Built a simple, effective hands-free door opener to eliminate the spread of viruses in light of COVID-19
- Storyboarded the team's visual deliverables to achieve more efficient communications in virtual settings

Client: Shirley Ryan AbilityLab (Rehab Institute of Chicago)

September 2019 – December 2019

- Engineered a device for users with disabilities to get in and out of recumbent tricycles independently
- Cooperated with a team of 4 students and communicated with the client to conduct multiple rounds of interviews and user testing for improving the design

VOLUNTEER

The Coding School

July 2020 – Present

Curriculum Developer for Creative Coding

- Partner with an undergraduate student and an experienced consultant to develop an interactive, 40-hour introductory coding curriculum for K-12 students
- Draft lesson materials with a focus on visualizing programming concepts through P5.js and JavaScript