Cindy Hu (Hsin Yu Hu)

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EDUCATION

Northwestern University, Evanston, IL — Anticipated Graduation: December 2023
Dual Bachelor and Master of Science Degrees in Computer Science (BS/MS in CS) — GPA: 3.92/4.0
Honors & Awards: Murphy Scholar (Northwestern School of Engineering), Tau Beta Pi Engineering Honor Society
Relevant Coursework: Operating System, Networking, Distributed System, Human-Computer Interaction, Game Development

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, PHP, Hack, Java, C#, Go, HTML/CSS, C, C++, SQL
Frameworks & Tools: Node.js, React, Git, Amazon Web Services, Java Spring, GraphQL, MongoDB, Angular, Meteor, P5.js

ENGINEERING EXPERIENCE

Meta Inc., Menlo Park, CA — June 2022 – September 2022
Software Engineer Intern at Facebook Private Communication Backend

- Initiated cross-team collaborations with product designers, client engineers, and data scientists to develop intuitive, efficient, and scalable GraphQL APIs that improve URL sharing and messaging experiences on Facebook and Messenger
- Launched smaller features to the public on Facebook and conducted A/B testing with 10% of users for core metric analysis

Delta Lab, Northwestern University
Human-Computer Interaction Researcher — September 2021 – June 2022

- Conducted design research and user studies with over 40 users on new social technology that utilizes location-tracking and Yelp API to build Opportunistic Collective Experience API for sharing life moments and 1-to-1 chatting with new friends
- Refactored and maintained a web and mobile app codebase in React/Meteor/MongoDB for quick prototyping and user testing
- Published and presented a paper as the first author at *Conference on Human Factors in Computing System (CHI) 2022* under the Student Research Competition track

Research Assistant — June 2020 – February 2021

- Built algorithms in Python to automize labeling raw keystroke data captured from live coding sessions based on heuristic factors compiled from 35 user interviews with programming beginners
- Co-authored a paper that was published in the *Artificial Intelligence in Education* conference in April 2021

Department of Computer Science, Northwestern University — September 2021 – December 2021
Teaching Assistant for CS330: Introduction to Human-Computer Interaction

- Facilitated a 120-student class with 5 other TAs for in-class activities that reinforce human-computer interaction concepts, such as design sensibilities, low and high fidelity prototypes, user testing, and risk assessments
- Mentored 4 teams of 5 students with identifying quarter-long project goals, consolidating design arguments and challenges through quick iterations, and giving individual feedback in weekly studio sessions

Amazon.com, Bellevue, WA (remote) — June 2021 – September 2021
Software Development Engineer Intern at Amazon Operations

- Created a new service with AWS based on a current load optimization system used at Amazon's facilities worldwide (AWS products used: Elastic Container Service, CloudWatch, DynamoDB, S3, API Gateway, and EventBridge)
- Drafted high-level and low-level technical documents that explained back-end infrastructure, justified design choices on various AWS products, and proved the feasibility of using infrastructure-as-code architecture for optimization services

Lighthouse Education (Startup), Evanston, IL — December 2020 – September 2021
Front-end Software Developer

- Worked with backend developers on building the UI in Angular for the real-time automated tagging system which groups notes together based on the relevance of the content and generates maps for visualization
- Improved the cross-platform compatibility and dynamic rendering of the app and add more features for users to customize the auto-generated tags and maps

Develop + Innovate for Social Change (DISC NU), Northwestern University — January 2020 – June 2020
Web Developer, Client: Evanston Development Cooperative

- Developed an informational website using HTML/CSS, Bootstrap, JavaScript, and jQuery for promoting the benefits of accessory dwelling units to Chicagoland policymakers and residents
- Collaborated with a team of 6 students to discuss and coordinate project details with representatives from Evanston Development Cooperative