

Stephen Yang

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Education

2019 - 2022 **Cornell University**, B.S. Communication, Information Science

(Expected) Honors Thesis: *Mobile Social Media on the Margins: Navigating Secrecy and Self Promotion in Underground Music Scenes* (Advisor: Dr. Lee Humphreys)

Research Interest

Human-Computer Interaction; Social Computing; Participatory Design; Mobile Social Media; Digital Civics; Fairness, Accountability, and Transparency (FAccT)

Publications

Conference Papers, Presentations, Workshops

2021 F. Delgado, **S. Yang**, M. Madaio, and Q. Yang. (forthcoming). Stakeholder Participation in AI: Beyond "Add Diverse Stake-holders and Stir". Accepted to the Human-Centered AI Workshop at NeurIPS 2021. [[preprint](#)]

S. Yang. (2021, May) Surveillance Culture and Socio-Technical Practices in Taipei's Underground Music Scenes. Paper presented at the Spring Symposium 2021 of Cornell Undergraduate Research Board. Cornell University. Ithaca, New York.

[*Under Review*] F. Delgado, **S. Yang**, M. Madaio, and Q. Yang. Mapping the Participatory Turn in AI Design.

[*Under Review*] E. La and **S. Yang**. The Role of Hashtags and Mobile Media in Shaping Discourse During the #IChooseFish Environmental Movement.

[*Under Review*] Y. Zhao, **S. Yang**, V. Kuleshov, F. Wang, and Q. Yang. What Evidence Can Convince Doctors? Investigating How Clinicians Use Literature as Explainable Decision Support.

Working Papers

2020 R. Singh, A., Eng, D. Gonzales, C. Lee, E. Li, C. McGovern, A. Pinch, S. Williams-Ceci, K., Wisniewski, **S. Yang**, and M. Ziewitz. (2020). Scoring Struggles: Everyday Experiences of Web Search Engines. Working Paper #1, August. Ithaca, NY: Digital Due Process Clinic. [[preprint](#)]

Selected Popular Press Writing

- 2021
- S. Yang.** (October 5, 2021). The Romance of Foreign Language TV. *Cornell Daily Sun*. [\[link\]](#)
- S. Yang.** (October 4, 2021). The Self-Branding of the Cool Kids. *Cornell Daily Sun*. [\[link\]](#)
- S. Yang.** (May 5, 2021). The Romance of Substack and the Illusion of Meritocracy. *Cornell Daily Sun*. [\[link\]](#)
- S. Yang.** (March 11, 2021). Shitposting on Twitter as Subculture Youth Sociality?. *Cornell Daily Sun*. [\[link\]](#)
- S. Yang.** (February 24, 2021). How to Counter-Culture in the Age of Surveillance?. *Cornell Daily Sun*. [\[link\]](#)
- 2020
- S. Yang.** (November 10, 2020). On Blasting Music in Public. *Cornell Daily Sun*. [\[link\]](#)
- S. Yang.** (October, 27, 2020). Who Owns Whose Music in the Age of Streaming?. *Cornell Daily Sun*. [\[link\]](#)
- S. Yang.** (October, 14, 2020). Subtitles Are So Political. *Cornell Daily Sun*. [\[link\]](#)
- S. Yang.** (September 29, 2020). We Pause, Skip and Rewind. So What?. *Cornell Daily Sun*. [\[link\]](#)

Award and Scholarships

2021

Chester Freeman Award

- Awarded \$1300 in merit scholarship to 1 Communication junior each year that best exhibits the interdisciplinary character of the Department of Communication at Cornell University.
- Candidate was selected based on demonstrated skills in media analysis, evidence of leadership, and breadth of interest outside the academic major.

Michael W. Berns Undergraduate Research Award

- Awarded \$1000 in research fund to undergraduate students enrolled in the College of Agriculture and Life Sciences at Cornell through a competitive selection process based on research proposals.

Jane E. Brody Undergraduate Research Award

- Awarded \$500 in research fund to undergraduate students enrolled in the College of Agriculture and Life Sciences at Cornell through a competitive selection process based on research proposals.

2020

Hunter R. Rawlings III Cornell Presidential Research Scholar

- Awarded \$8000 in merit scholarship and \$5000 in research grant based on research proposal and academic excellence.

Research Experience

2021 - now

Designing AI Lab, Research Assistant (PI: Dr. Qian Yang)

“Participation in the Design of AI”

- Interviewed 13 AI researchers to map out how these practitioners implement and conceptualize the notion of “participation” in their design practices.
- Conducted scoping review (N=59) of past projects of participatory AI published in academic journals/conferences.
- Proposed design recommendations to inform future AI designers that seek to engage stakeholders in the design process.

“Literature Use in Clinical Decision-Support”

- Interviewed 12 care providers to underpin how they use biomedical literature as evidence at point-of-care.
- Synthesized design opportunities for the summarization and visualization of biomedical literature in clinical decision-support systems based on interview data.

2020 - now

Digital Due Process Clinic, Research Assistant (PI: Dr. Malte Ziewitz)

“The Everyday Ecologies of Scoring: An Exploratory Map”

- Compiled a dataset of 160 scoring systems people would encounter in their everyday life based on iterative searches on LexisNexis and Google Search.

“The Everyday Struggle with Google Search Engine”

- Conducted 13 interviews with small business owners, independent politicians, and formerly incarcerated people to conceptualize the everyday struggle with Google Search results experienced by marginalized communities.

2019 - 2020

Mobile Technology Study Group, Research Assistant (PI: Dr. Lee Humphreys)

“The Self-Branding of AT&T, 1990-2020”

- Conducted textual analysis of AT&T's promotional materials from 1990 to 2020 to underpin how the company rebrands itself from a telecommunication company to an information company, and then from an information company to an entertainment company.

Professional Experience

2020 summer **Wunderman Thompson**, Digital Strategy Intern Taipei, Taiwan

- Formulated digital strategies for clients in areas from social media marketing, search engine optimization (SEO), web design, experience design, to user experience (UX).
- Liaised with designers, technologists, researchers to translate the clients' needs and goals into design solutions.

2019 summer **Tacit PR**, Public Relations Intern Taipei, Taiwan

- Pitched, edited, distributed media pitches, press releases, and social media materials for clients.
- Monitored and evaluated media coverages of clients, competitors, and industry trends through Cision.

Teaching Experience

2021- now Teaching Assistant, Department of Information Science, Cornell University

INFO 1260: Choices and Consequences in Computing (Spring 2021)

INFO 4940: Human-AI Interaction Design and Research (Fall 2021)

INFO 3450: Human-Computer Interaction Design (Spring 2022)

2020-2021 Teaching Assistant, Department of Communication, Cornell University

COMM 1300: Visual Communication (Spring 2020)

COMM 2820: Research Methods in Communication Studies (Fall 2020)

COMM 3200: New Media and Society (Spring 2021)

Service

2020 - now **Cornell Undergraduate Research Board (CURB)**, Peer Mentor

- Meet with mentees on an individual basis to share tips on navigating research opportunities and reduce the barriers for students from marginalized background

- 9 of my previous mentees are now involved in undergraduate research on campus.

2020 - now

Department of Communication, Cornell University, Peer Mentor

- Serve as a peer mentor to build a sense of community, share tacit knowledge, and create more equitable access to resources for first-year underrepresented minority and first-generation students in the Department of Communication.

Skill

Language:	Chinese (native/bilingual), English (native/bilingual)
Qualitative Research:	Interviews, Focus Groups, Participant Observation, Ethnography, Contextual Inquiries
Design Research:	Affinity Diagramming, Participatory Design, Service Blueprint, Technology Probe, Card Sorting, User Testing
Interaction Design:	Figma, Adobe XD, Webflow, Illustrator, Photoshop
Front-End Programming:	HTML, CSS, Javascript, Atom, React, Git
Data Analytics:	Python, R, SPSS, Tableau, Jupyter Notebook