

Julie Jiang

✉ juliejiang112@gmail.com 🌐 julie-jiang.github.io  [julie-jiang](#)

2024 **Forbes 30 under 30** (Science)

I study **computational social science**, developing ML techniques to empirically study human behavior on large-scale online platforms for **social good**. I am graduating (PhD) in early 2024 and seeking **full-time industry opportunities**.

INDUSTRY EXPERIENCE

Spotify Research

Research Intern, Human in AI, Personalization

- Understanding of the consumption of new music releases from the perspective of genres

📍 Virtual

📅 Summer 2023

TikTok/ByteDance

Data Science Intern, Applied ML

- Impact of the hierarchical diversity of ads on user engagement and retention on Tiktok

📍 Virtual

📅 Fall 2022

Snap Research

Research Intern, Computational Social Science

- The homophilous, reciprocal, and contagious use of Bitmojis on Snapchat (**CHI 2023**)
- Weather and impacts expressed sentiment on Snapchat stories (**ICWSM 2022**)

📍 Santa Monica, CA

📅 Summer 2022

📅 May–Nov 2021

Google

Software Engineering Intern, Adwords API

📍 Mountain View, CA

📅 Summer 2019

Bose Corporation

Software Engineering Intern

📍 Framingham, MA

📅 Summer 2017

RESEARCH EXPERIENCE

USC Information Sciences Institute (ISI) 📍 Marina del Rey, CA

Research Assistant

📅 2019–2023

- DARPA INCAS-UPSCALE: Universal population segmentation and characterization algorithms for online environments
- DARPA TAILOR-Bespoke: Learning bespoke interventions for performance optimizations in heterogeneous users

RESEARCH AREAS

Homophily, contagion, and social network effects on user behavior

- Gender pronouns on Twitter (ICWSM 2023)
- Bitmoji stickers on Snapchat (CHI 2023)
- Generosity in online games (CSCW 2022)
- Socially-motivated toxic behavior

Situating human behavior in context

- Weather's influence on sentiment (ICWSM 2022)
- Geolocation of social media posts (WebSci 2023)

Tracking social media information diffusion

- Retweet-BERT: User modeling framework using language and network features (ICWSM 2023)
- Political polarization (HBET 2020, JMIRx Med 2021)

Characterizing user types and communities

- Ad-hoc collaboration of various types of users in MOBA games (CSCW 2021)
- Consumption of new music releases from the perspective of music genre preferences

EDUCATION

University of Southern California

PhD Candidate in CS

📍 Los Angeles, CA 📅 2019–2024

Tufts University

BS in CS & Math, magna cum laude

📍 Medford, MA 📅 2015–2019

RESEARCH OUTPUT

- [Google Scholar](#)
- Published **13 first-authored** papers (15 total publications) with **320+ citations**
- Top conferences (ICWSM, CSCW, CHI) and journals (HBET, JMIR, Bioinformatics)
- Reviewer for TheWebConf, CHI, CSCW, ICWSM, WebSci, etc.

SKILLS

python, SQL, deep learning, NLP/LLMs, statistics, network analysis, data science

AWARDS & HONORS

- 2024 Forbes 30 under 30 (Science)
- 2022 Snap Research Fellowship (\$10K)
- 2021 USC nomination for the Google and Microsoft PhD Fellowships
- 2019 USC Information Sciences Institute Distinguished Graduate Student Research Fellowship (\$5K)
- 2018 Tufts Tisch Summer Scholars