

Julie Jiang

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Education

- 2019–2024 (expected) **University of Southern California (USC)** – Los Angeles, CA
Ph.D. Computer Science - GPA: 4.00
Research interests: machine learning and computational social science
Advisor: Dr. Emilio Ferrara
- 2015–2019 **Tufts University** – Medford, MA
B.S. Computer Science and Mathematics - GPA 3.72 *magna cum laude*

Experience

- Summer 2020 **Snap Research** – Virtual
Research Intern in the Computational Social Science Team (in progress)
- 2019–2021 **USC Information Sciences Institute (ISI)** – Marina del Rey, CA
Research Assistant
DARPA TAILOR-Bespoke (Dr. Kristina Lerman and Dr. Emilio Ferrara): Learning bespoke interventions for performance optimizations in heterogeneous users
- Summer 2019 **Google** – Mountain View, CA
Software Engineering Intern in the Adwords API Team
- 2018–2019 **Tufts University CS Department** – Medford, MA
Research Assistant (Dr. Li-Ping Liu and Dr. Soha Hassoun)
Developed graph embedding models for biochemical molecular reaction prediction
- Summer 2017 **Bose Corporation** – Framingham, MA
Software Engineering Intern

Teaching

- 2017–2019 **Tufts University** – Medford, MA
Teaching Fellow (Head Teaching Assistant)
COMP11 Intro to Computer Science (Spring 2018, Fall 2018, and Spring 2019)
- Teaching Assistant*
COMP105 Programming Languages (Spring 2018)
COMP15 Data Structures (Spring 2017 and Fall 2017)

Awards

- 2019–2020 USC ISI Distinguished Graduate Student Research Fellowship
- 2019 USC Viterbi Travel Grant for Graduate Engineering Preview Day
- 2018 Tufts Tisch Summer Scholars Fellowship

Research

**indicates equal contribution*

- 2021 [Julie Jiang](#), Xiang Ren, and Emilio Ferrara.
Social Media Polarization and Echo Chambers in the Context of COVID-19: Case Study
JMIRx Med 2021;2(3):e29570. [Paper](#)
- 2021 Yuzi He, Christopher Tran, [Julie Jiang](#), Keith Burghadt, Emilio Ferrara, Elena Zheleva, and Kristina Lerman.
Heterogeneous Effects of Software Patches in a Multiplayer Online Battle Arena Game.
In the *16th International Conference on the Foundation of Digital Games (FDG '21)*.
- 2021 [Julie Jiang](#), Danaja Maldeniya, Kristina Lerman, and Emilio Ferrara.
The Wide, the Deep, and the Maverick: Types of Players in Team-based Online Games.
In the *24th ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW '21)*. [Paper](#)
- 2020 [Julie Jiang](#), Kristina Lerman, and Emilio Ferrara.
Individualized Context-Aware Embeddings for Online Games Predictions.
In the *20th IEEE International Conference on Data Mining (ICDM '20) Workshop*. [Paper](#) [arXiv](#)
- 2020 [Julie Jiang](#), Emily Chen, Shen Yan, Kristina Lerman, and Emilio Ferrara.
Political Polarization Drives Online Conversations About COVID-19 in the United States.
Human Behavior and Emerging Technologies 2(3), 200–211, 2020. [Paper](#) (Press coverage: [PsyPost.org](#))
- 2020 [Julie Jiang](#), Li-Ping Liu, and Soha Hassoun.
Learning Graph Representations of Biochemical Networks and Its Application to Enzymatic Link Prediction.
Bioinformatics 37(6), 793–799, 2021. [Paper](#)

Presentations

- 2020 Emily Chen*, [Julie Jiang](#)*, Fred Morstatter, Kristina Lerman, and Emilio Ferrara.
Ageism in Traffic Policing.
Oral presentation at *IC2S2 '20*. [Extended Abstract](#)
- 2020 [Julie Jiang](#), Li-Ping Liu, and Soha Hassoun.
Enzymatic Link Prediction for Biochemical Route Synthesis.
Poster presentation at *MIT AI Powered Drug Discovery and Manufacturing (AIDM '20)*. [Poster](#)
- 2019 [Julie Jiang](#), Li-Ping Liu, and Soha Hassoun.
Predicting Reactions for Biochemical Networks Using Graph Embeddings.
Poster Presentation at *Machine Learning in Computational Biology (MLCB '19)*. [Poster](#)

Service Contributions

Subreviewer: CompleNet '20, WWW '20, and WWW '21; *PC member:* WebSci '20 and WebSci '21