

Julie Jiang

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EDUCATION

University of Southern California (USC)

Ph.D. Computer Science — GPA: 4.00

Research interests: machine learning and computational social science

Advisor: Dr. Emilio Ferrara

Los Angeles, CA
2019—2024 (expected)

Tufts University

B.S. Computer Science and Mathematics — GPA 3.72 *magna cum laude*

Medford, MA
2015—2019

EXPERIENCE

Snap Research

Research Intern — Computational Social Science Team

Virtual
05/2021—Present

USC Information Sciences Institute (ISI)

Research Assistant

- DARPA INCAS-UPSCALE (Dr. Emilio Ferrara)
Universal population segmentation and characterization algorithms for Online environments
- DARPA TAILOR-Bespoke (Dr. Kristina Lerman and Dr. Emilio Ferrara)
Learning bespoke interventions for performance optimizations in heterogeneous users

Marina del Rey, CA

08/2021—Present

08/2019—05/2021

Google

Software Engineering Intern — Adwords API Team

Mountain View, CA
Summer 2019

Tufts University CS Department

Research Assistant (Dr. Li-Ping Liu and Dr. Soha Hassoun)

Graph embedding models for biochemical molecular reaction prediction

Medford, MA
2018—2019

Bose Corporation

Software Engineering Intern

Framingham, MA
Summer 2017

TEACHING

Tufts University

Teaching Fellow (Head Teaching Assistant)

- COMP11 Intro to Computer Science (Spring 2018, Fall 2018, and Spring 2019)

Medford, MA
2018—2019

Teaching Assistant

- COMP105 Programming Languages (Spring 2018)
- COMP15 Data Structures (Spring 2017 and Fall 2017)

2017—2018

*indicates equal contribution

RESEARCH

- 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

Reviewer: WWW 2021, WebSci 2021, TTO 2021, WWW 2020, WebSci 2020, CompleNet 2020

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