

Serina Chang

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EDUCATION	Stanford University , Stanford, CA 2019-Present Ph.D. candidate, Computer Science Advised by Prof. Jure Leskovec and Prof. Johan Ugander
	Columbia University , New York, NY 2015-2019 B.A., Computer Science, concentration in Sociology, <i>magna cum laude</i> Advised by Prof. Kathleen McKeown GPA: 3.97/4.00, Dean's List (all semesters)
HONORS	Outstanding Undergraduate Researcher Award , Computing Research Association 2019
	Graduate Research Fellowship , National Science Foundation 2019
	The Finch Family Fellowship , Stanford University, School of Engineering 2019
	Phi Beta Kappa , Columbia University 2019
	Theodore R. Bashkow Award , Columbia University, Computer Science 2019
	Academic Excellence Award , Columbia University, Computer Science 2019
	Collegiate Award Finalist , National Center for Women and Information Technology 2018
PUBLICATIONS	King's Crown Leadership Award, Innovation and Enhancement , Columbia University 2018
	[1] Serina Chang* , Emma Pierson*, Pang Wei Koh*, Jaline Gerardin, Beth Redbird, David Grusky, and Jure Leskovec. "Mobility network models of COVID-19 explain inequities and inform reopening." <i>Nature</i> , 2020.
	[2] Serina Chang* , Emma Pierson*, Pang Wei Koh*, Jaline Gerardin, Beth Redbird, David Grusky, and Jure Leskovec. "Mobility network modeling explains higher COVID-19 prevalence among disadvantaged groups." <i>NeurIPS Machine Learning for Health Workshop</i> , 2020. Extended abstract.
	[3] Serina Chang and Kathleen McKeown. "Automatically inferring gender associations from language." <i>EMNLP</i> , 2019. Oral presentation.
	[4] Serina Chang , Ruiqi Zhong, Ethan Adams, Fei-Tzin Lee, Siddharth Varia, Desmond Patton, William Frey, Chris Kedzie, and Kathleen McKeown. "Detecting gang-involved escalation on social media using context." <i>EMNLP</i> , 2018. Oral presentation.
PROFESSIONAL EXPERIENCE	[5] Jessica Ouyang, Serina Chang , and Kathleen McKeown. "Crowd-sourced iterative annotation for narrative summarization corpora." <i>EACL</i> , 2017. Oral presentation.
	Research Assistant , Columbia University 2016-2019 <ul style="list-style-type: none">Conducted natural language processing research in Prof. Kathleen McKeown's and Prof. Smaranda Muresan's labsProject areas included computational social science, automatic summarization, and argumentation mining
	Software Engineering Intern , Google, Geo Assistant Summer 2018 <ul style="list-style-type: none">Built a new, user-facing feature for Google Search and AssistantImplemented backend to parse queries in Search and optimize accuracy in the feature's triggering patternsWorked with UX designer and PM to create frontend for the feature
	Engineering Practicum Intern , Google, Search Site Reliability Engineering (SRE) Summer 2017 <ul style="list-style-type: none">Improved internal tools for monitoring and tracking requests to Google Now
TEACHING EXPERIENCE	Instructor , Girls Who Code, Summer Immersion Program Summer 2019 <ul style="list-style-type: none">Served as the primary teacher for a classroom of 20 high school girlsTaught a 7-week curriculum including Python, HTML, CSS, JavaScript, and Arduino
	Workshop Organizer , NYC Digital Humanities Week Spring 2019 <ul style="list-style-type: none">"Beyond Bechdel: Using Computation to Analyze Gender in Film," co-organized and co-taught with Kara SchechtmanIntroduced techniques in natural language processing and data science to analyze movies; provided sample code and data
	Guest Lecturer , Columbia University, Emerging Scholars Program (ESP) Spring & Fall 2018 <ul style="list-style-type: none">Invited to speak for ESP, a course for introductory students in CSPresent multiple research talks; maintained mentoring relationships afterwards with several students

	Instructional Assistant , Columbia University, Data Structures in Java <ul style="list-style-type: none"> Assisted Prof. Paul Blaer in teaching an undergraduate class of over 200 students Led discussion sections, held weekly office hours, and graded assignments and exams 	Spring & Fall 2017
	Peer Tutor , Columbia University, Computer Science Theory	Spring 2017
LEADERSHIP	Lean In at Columbia , Columbia University <ul style="list-style-type: none"> Co-President (2017-2018); Senior Advisor (2018-2019) Grew active membership by 5x to reach over 100 committed members attending weekly meetings Founded a mentorship program that connected over 70 students to young professionals in the city Organized the first Lean In at CU conference, sponsored by Microsoft, Facebook, IBM, and others 	2016-2019
	Womxn in CS (WiCS) , Columbia University <ul style="list-style-type: none"> Academic Chair (2016-2019) Founded WiCS Lightning Talks, a series for student researchers to share their research with student audiences Organized panels with faculty and mentorship events with upperclassmen to help students navigate academics in CS 	2016-2019
	Intercollegiate Chamber Music Festival (ICMF) , NYC <ul style="list-style-type: none"> Co-founded and co-produced with Cindy Liu and Dean Deng (2017-2019), in collaboration with the Chamber Music Society of Lincoln Center; the festival has just finished its fourth successful year ICMF is an annual, weekend-long music festival that celebrates the talent and passion of collegiate chamber musicians Events include a performers' showcase at Lincoln Center, masterclasses with world-renowned artists, and visionary talks with industry leaders 	2017-2019
ACTIVITIES	Music Performance Program (MPP) , Columbia University <ul style="list-style-type: none"> Took lessons in chamber music and piano Selected 3 times to perform in MPP's end-of-year concert at Carnegie Weill Hall 	2015-2019
	Precollege Program , Manhattan School of Music (MSM) <ul style="list-style-type: none"> Took lessons in piano, violin, chamber music, orchestra, music theory, and ear training Recipient of the Rosetta Goodkind Scholarship and the Ralph Zola Scholarship Multi-time winner of MSM's concerto and chamber music competitions Featured on NPR's <i>From The Top</i> (2012); recipient of the National Young Arts Foundation Merit Award (2013); winner of international piano competitions including American Protege, American Fine Arts Festival, and New York International Artists Association 	2003-2015