

# Weifan Jiang

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RESEARCH INTERESTS      I am broadly interested in computer systems research, including computer networks and security. I am also interested in applying machine learning techniques to solve system-related problems.

EDUCATION      **Harvard University**, Boston, MA      **Aug. 2021 – Present**  
Ph.D. student in Computer Science  
Advised by Prof. Minlan Yu

**Columbia University**, New York, NY      **Aug. 2019 – May 2021**  
M.S. in Computer Science  
Advised by Prof. Suman Jana and Prof. Ethan Katz-Bassett  
Thesis: *Benefitting Internet users with secure machine learning and Internet measurement techniques*

**University of Washington**, Seattle, WA      **Sep. 2015 – Jun. 2019**  
B.S. in Computer Science; Applied and Computational Mathematical Sciences  
Exchange student to the University of Western Australia in Summer 2017

PUBLICATIONS (PAPERS)      **Towards a Traffic Map of the Internet**  
Thomas Koch, Weifan Jiang, Tao Luo, Petros Gigis, Yunfan Zhang, Kevin Vermeulen, Emile Aben, Matt Calder, Ethan Katz-Bassett, Lefteris Manassakis, Georgios Smaragdakis, Narseo Vallina-Rodriguez  
ACM HotNets 2021

**Towards Identifying Networks with Internet Clients Using Public Data**  
Weifan Jiang\*, Tao Luo\*, Thomas Koch, Yunfan Zhang, Ethan Katz-Bassett, Matt Calder  
(\* indicates primary authors)  
ACM IMC 2021

**Cost-Aware Robust Tree Ensembles for Security Applications**  
Yizheng Chen, Shiqi Wang, Weifan Jiang, Asaf Cidon, Suman Jana  
USENIX Security 2021

**Cloud Provider Connectivity in the Flat Internet**  
Todd Arnold, Jia He, Weifan Jiang, Matt Calder, Italo Cunha, Vasileios Giotsas, Ethan Katz-Bassett  
ACM IMC 2020

PUBLICATIONS (OTHERS)      **Poster: Footprint and Performance of Large Cloud Networks**  
Jia He, Weifan Jiang, Ege Gürmeriçliler, Georgia Essig, Arpit Gupta, Matt Calder, Vasileios Giotsas, Italo Cunha, Ethan Katz-Bassett, Todd Arnold  
N2Women Workshop 2020  
*Runner-up for the Best Poster Award*

**Irrigation Detection by Car: Computer Vision and Sensing for the Detection and Geolocation of Irrigated and Non-irrigated Farmland**  
Weifan Jiang, Vivek Kumar, Nikhil Mehta, Jack Bott, Vijay Modi  
IEEE GHTC 2020

INDUSTRY EXPERIENCE	<b>Software Engineering Intern</b> May 2020 – Aug. 2020, May 2021 – Jul. 2021 Team: Amazon Live	Amazon.com, Inc. New York, NY
	<b>Software Engineering Intern</b> Jun. 2018 – Aug. 2018, Jun. 2019 – Aug. 2019 Team: Elastic Compute Cloud (EC2) Networking, Virtual Private Cloud	Amazon Web Services, Inc. Seattle, WA
TALKS AND PRESENTATIONS	<b>Towards Identifying Networks with Internet Clients Using Public Data</b> (Upcoming) ACM IMC 2021, Virtual	Nov. 4, 2021
	Columbia Systems Seminar, Virtual	Oct. 14, 2021
TEACHING AND MENTORING	<b>CSOR 4231: Analysis of Algorithms I</b> , Columbia University Graduate Course Assistant Fall 2021	
	<b>CSE 331: Software Design and Implementation</b> , University of Washington Undergraduate Teaching Assistant Winter 2018, Spring 2018	
	<b>Academic Support Programs</b> , University of Washington Student Mentor Fall 2017	
	<b>Engineering Academic Center</b> , University of Washington Workshop Leader Fall 2017	