RUSSELL LEE

rclee@cs.umass.edu
Amherst, MA
847-975-2385

Education	**University of Massachusetts Amherst,** Amherst, MA PhD Candidate in Computer Science	May 2020 - present
	M.S. in Computer Science GPA: 3.82/4.0	May 2020
	Carnegie Mellon University, Pittsburgh, PA B.S. in Mathematical Sciences	May 2017
Research Experience	**Graduate Research Assistant,** University of Massachusetts Amherst *Professor Mohammad Hajiesmaili, College of Information and Computer Sciences* • Developed competitive online algorithms for **energy scheduling and data center optimization** • Analyzed optimal usage of **data-driven machine learning predictions in robust algorithm design** • Demonstrated **theoretical and empirical improvement** of novel algorithms when **utilizing machine learning data** • Implemented **online learning** techniques for **hyperparameter tuning** *This work resulted in 3 conference publications in ACM-eEnergy, Performance, and NIPS.*	May 2019 - present
	Research Scientist Intern, Sikka Software, San Jose CA • Developed **online scheduling** algorithm for optimal appointment booking • Created Python implementation of probabilistic model for scheduling based on historical appointment data	May - August 2018
Conference Publications	Bo Sun, **Russell Lee**, Mohammad H, Hajiesmaili, Adam Wierman, and Danny Tsang, "Pareto-Optimal Learning-Augmented Algorithms for Online Conversion Problems", *in Proc. of NeurIPS*, 2021.	2021
	Russell Lee, Yutao Zhou, Lin Yang, Mohammad H. Hajiesmaili, and Ramesh Sitaraman, "Competitive Bidding Strategies for Online Linear Optimization with Inventory Management Constraints", *in Proc. of IFIP Performance* 2021.	2021
	Russell Lee, Jessica Maghakian, Mohammad H. Hajiesmaili, Jian Li, Ramesh Sitaraman, and Zhenhua Liu, "Online Peak-aware Energy Scheduling with Untrusted Advice," *in Proc. of ACM eEnergy*, 2021. **(Best Paper Candidate)**	2021
Teaching Experience	**College of Information and Computer Sciences,** University of Massachusetts Amherst *Teaching Assistant,* Introduction to Algorithms CS311, Undergraduate Course	2017-2018
Programming Skills	*Teaching Assistant,* Machine Learning CS589, Graduate Course Python, R, MATLAB	2018-2019
Awards and Honors	**Senior Leadership Award,** Carnegie Mellon University Awarded for significant leadership contribution to campus community	May 2017