

# RUSSELL LEE

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Amherst, MA

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	<b>Graduate Research Assistant</b> , University of Massachusetts Amherst <i>Professor Mohammad Hajiesmaili, College of Information and Computer Sciences</i> <ul style="list-style-type: none"><li>Developed competitive online algorithms for <b>energy scheduling and data center optimization</b></li><li>Analyzed optimal usage of <b>data-driven machine learning predictions in robust algorithm design</b></li><li>Demonstrated <b>theoretical and empirical improvement</b> of novel algorithms when <b>utilizing machine learning data</b></li><li>Implemented <b>online learning</b> techniques for <b>hyperparameter tuning</b></li></ul> <i>This work resulted in 3 conference publications in ACM-eEnergy, Performance, and NIPS.</i>	May 2019 - present
	<b>Research Scientist Intern</b> , Sikka Software, San Jose CA <ul style="list-style-type: none"><li>Developed <b>online scheduling</b> algorithm for optimal appointment booking</li><li>Created Python implementation of probabilistic model for scheduling based on historical appointment data</li></ul>	May - August 2018
Conference Publications	Bo Sun, <b>Russell Lee</b> , Mohammad H, Hajiesmaili, Adam Wierman, and Danny Tsang, "Pareto-Optimal Learning-Augmented Algorithms for Online Conversion Problems", in <i>Proc. of NeurIPS</i> , 2021.	2021
	<b>Russell Lee</b> , Yutao Zhou, Lin Yang, Mohammad H. Hajiesmaili, and Ramesh Sitaraman, "Competitive Bidding Strategies for Online Linear Optimization with Inventory Management Constraints", in <i>Proc. of IFIP Performance</i> 2021.	2021
	<b>Russell Lee</b> , Jessica Maghakian, Mohammad H. Hajiesmaili, Jian Li, Ramesh Sitaraman, and Zhenhua Liu, "Online Peak-aware Energy Scheduling with Untrusted Advice," in <i>Proc. of ACM eEnergy</i> , 2021. <b>(Best Paper Candidate)</b>	2021
Teaching Experience	<b>College of Information and Computer Sciences</b> , University of Massachusetts Amherst <i>Teaching Assistant</i> , Introduction to Algorithms CS311, Undergraduate Course	2017-2018
Programming Skills	<i>Teaching Assistant</i> , Machine Learning CS589, Graduate Course	2018-2019
	Python, R, MATLAB	
Awards and Honors	<b>Senior Leadership Award</b> , Carnegie Mellon University Awarded for significant leadership contribution to campus community	May 2017