

RUSSELL LEE

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Amherst, MA

Education	University of Massachusetts Amherst , Amherst, MA M.S. in Computer Science, PhD Candidate in Computer Science, GPA: 3.84/4.0	2017- present
	Carnegie Mellon University , B.S. in Mathematical Sciences <i>Honors</i> : Dean's List, University Honors, GPA: 3.69/4.0	2013-2017
Research Experience	Graduate Research Assistant , University of Massachusetts Amherst <i>Professor Mohammad Hajiesmaili, College of Information and Computer Sciences</i> <ul style="list-style-type: none">Developed competitive online algorithms for energy scheduling and data center optimizationAnalyzed optimal usage of machine learning predictions in algorithm designDemonstrated theoretical and empirical improvement of novel algorithms when utilizing machine learning dataImplemented online learning techniques for hyperparameter tuning <i>This work resulted in 3 conference publications in ACM-eEnergy, IFIP Performance, and NeurIPS.</i>	May 2019 - present
	Summer Research Scientist Intern , Sikka Software, San Jose CA <ul style="list-style-type: none">Created Python implementation of probabilistic model for scheduling based on historical appointment data	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 <i>Proc. of NeurIPS</i> , 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 <i>Proc. of IFIP Performance</i> 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 <i>Proc. of ACM eEnergy</i> , 2021. (Best Paper Candidate)	2021
Presentations	Online Peak-aware Energy Scheduling with Untrusted Advice <ul style="list-style-type: none">INFORMS Annual Meeting, to appear October 2023 (Invited talk).International Conference on Future Energy Systems (ACM e-Energy), June 2021	
Teaching Experience	College of Information and Computer Sciences , University of Massachusetts Amherst <ul style="list-style-type: none"><i>Teaching Assistant</i>, Introduction to Algorithms CS311, Undergraduate Course<i>Teaching Assistant</i>, Machine Learning CS589, Graduate Course	2017-2019
Programming Skills	Experienced in Python, MATLAB; familiar with R	
Awards and Honors	Thesis Proposal Writing Fellowship , University of Massachusetts Amherst Senior Leadership Award , Carnegie Mellon University	2023 2017