

ALI ZEYNALI

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EDUCATION

Ph.D. Student in Computer Science, University of Massachusetts Amherst 2022- Present

Co-ADVISORS: RAMESH K. SITARAMAN, MOHAMMAD H. HAJIESMAILI

GPA: 4.0/4.0

MS Student in Computer Science, University of Massachusetts Amherst 2019- 2022

Co-ADVISORS: RAMESH K. SITARAMAN, MOHAMMAD H. HAJIESMAILI

GPA: 4.0/4.0

Bachelor of Science in Computer Engineering, Sharif University of Technology (SUT), Tehran 2014- 2019

GPA: 18.27/20.0 (equiv. 4.0/4.0)

RESERACH INTEREST

Online learning algorithms, Online optimization, Multimedia systems, Machine learning

PUBLICATIONS

- **arXiv** *Ali Zeynali, Mohammad H. Hajiesmaili, Ramesh K. Sitaraman; **BOLA360: Near-optimal View and Bitrate Adaptation for 360-degree Video Streaming**; arXiv; 2023*
- **Published** *Mahsa Sahebdel, Ali Zeynali, Noman Bashir, Mohammad H. Hajiesmaili, Jimi Oke; **Poster: Data-driven Algorithms for Reducing the Carbon Footprint of Ride-sharing Ecosystems**; ACM e-Energy; 2023*
- **Published** *Xi Chen, Ali Zeynali, Chico Camargo, Fabian Flock, Devin Gaffney, Przemyslaw Grabowicz, Scott Hale, David Jurgens, Mattia Samory; **SemEval-2022 Task 8: Multilingual news article similarity**; 16th International Workshop on Semantic Evaluation (SemEval); 2022*
- **Published** *Lin Yang, Ali Zeynali, Mohammad H. Hajiesmaili, Ramesh K. Sitaraman, Don Towsley; **Competitive Algorithms for Online Multidimensional Knapsack Problems**; ACM Sigmetrics; 2022*
- **Published** *Ali Zeynali, Bo Sun, Mohammad H. Hajiesmaili, Adam Wierman; **Data-driven Competitive Algorithms for Online Knapsack and Set Cover**; AAAI; 2021*
- **Published** *Bo Sun, Ali Zeynali, Tongxin Li, Mohammad H. Hajiesmaili, Adam Wierman, Danny HK Tsang; **Competitive Algorithms for the Online Multiple Knapsack Problem with Application to Electric Vehicle Charging**; ACM Sigmetrics; 2021*

SKILLS

Programming languages	Python, Java, C++, C#
Python libraries	Scikit-learn, Numpy, Keras, Tensorflow, Gurobi, CVXPY
Tools	Git, mySQL, PostgreSQL
Web	Django, HTML, CSS
Other	Bash Programming, LINUX, L ^A T _E X

WORK EXPERIENCE

Software Enineering Intern Google LLC., Mountain View, USA	Jan 2022- May 2022
Data Science and Machine Learning Research Intern Adobe Inc., San Jose, USA	May 2021- Aug 2021
Data Scientist Intern (unpaid) Nullatech (startup company), Tehran	Apr 2017- Dec 2017
Science Olympiad Tutor National Young Scholar Club (YSC), Tehran, Iran Farzanegan Helli High Schoool (NODET), Tehran, Iran Allame-Tabatabaei High Schoool, Tehran, Iran Mofid High Schoool, Tehran, Iran	2014- 2018

HONORS AND AWARDS

Thesis Proposal Writing Fellowship Award University of Massachusetts, Amherst	Fall 2023
Donald F. Towsley Graduate Scholarship University of Massachusetts, Amherst	Summer 2021
Selected in Top-Ten (among 177) B.Sc. students of computer engineering department	Summer 2019
Ranked 24th among 1823 teams in 10th IEEEEXTREME, 24^h programming contest	Fall 2016
Golden Medalist of 8th IOAA International Olympiad on Astronomy and Astrophysics in Romania Among more than 200 international students	Summer 2014
Golden Medalist of 9th NOAA National Olympiad on Astronomy and Astrophysics Among more than 5,000 students	Summer 2013

RELATED COURSES

Graduate Courses:

Neural Networks, Database design and implementation, Advanced algorithm, Machine learning, Artificial intelligence, Social and economic networks

Undergraduate Courses:

Artificial intelligence, Probability and statistics, Design of algorithms, Database design, Data structure and algorithms