

# ALI ZEYNALI

Room 339, LGRC, UMass Amherst, MA

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## EDUCATION

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**MS/Ph.D. Student in Computer Science**, University of Massachusetts Amherst 2019- Present

Co-ADVISORS: MOHAMMAD HAJIESMAILI, RAMESH SITARAMAN

**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

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Online learning algorithms, Multimedia systems, Optimization, Machine learning

## PUBLICATIONS

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- **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 Hajiesmaili, Ramesh Sitaraman, Don Towsley; **Competitive Algorithms for Online Multidimensional Knapsack Problems**; ACM Sigmetrics; 2022*
- **Published** ***Ali Zeynali**, Bo Sun, Mohammad Hajiesmaili, Adam Wierman; **Data-driven Competitive Algorithms for Online Knapsack and Set Cover**; AAAI; 2021*
- **Published** *Bo Sun, **Ali Zeynali**, Tongxin Li, Mohammad Hajiesmaili, Adam Wierman, Danny HK Tsang; **Competitive Algorithms for the Online Multiple Knapsack Problem with Application to Electric Vehicle Charging**; ACM Sigmetrics; 2021*

## SKILLS

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<b>Programming languages</b>	Python, Java, C++
<b>Python libraries</b>	Scikit-learn, Numpy, Keras, Tensorflow, <b>Gurobi</b> , CVXPY
<b>Tools</b>	Git, mySQL, PostgreSQL
<b>Web</b>	Django, HTML, CSS
<b>Other</b>	Bash Programming, LINUX, $\text{\LaTeX}$

## WORK EXPERIENCE

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**Software Enineering Intern** Jan 2022- May 2022

Google LLC., Mountain View, USA

TEAM: GEO SIGNALS AND SYSTEMS

**Data Science and Machine Learning Research Intern** May 2021- Aug 2021

Adobe Inc., San Jose, USA

**Data Scientist Intern (unpaid)**  
Nullatech (startup company), Tehran

Apr 2017- Dec 2017

**Science Olympiad Tutor**

2014- 2018

National Young Scholar Club (YSC), Tehran, Iran  
Farzanegan Helli High School (NODET), Tehran, Iran  
Allame-Tabatabaei High School, Tehran, Iran  
Mofid High School, Tehran, Iran

**HONORS AND AWARDS**

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**Donald F. Towsley Graduate Scholarship**

Summer 2021

University of Massachusetts, Amherst

**Selected in Top-Ten (among 177) B.Sc. students of computer engineering department**

Summer 2019

**Ranked 24<sup>th</sup> among 1823 teams in 10<sup>th</sup> IEEEEXTREME, 24<sup>h</sup> programming contest**

Fall 2016

**Golden Medalist of 8<sup>th</sup> IOAA**

Summer 2014

International Olympiad on Astronomy and Astrophysics in Romania  
Among more than 200 international students

**Golden Medalist of 9<sup>th</sup> NOAA**

Summer 2013

National Olympiad on Astronomy and Astrophysics  
Among more than 5,000 students

**RELATED COURSES**

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**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