

Ali Zeynali

PERSONAL DATA

BIRTHDAY: 22 June 1996

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EDUCATION

2019-PRESENT	MS/Ph.D. Student in COMPUTER SCIENCE, University of Massachusetts, Amherst CO-ADVISORS: MOHAMMAD HAJIESMAILI, RAMESH SITARAMAN GPA: 4.0/4.0
2014-2019	Bachelor of Science in COMPUTER ENGINEERING, Sharif University of Technology (SUT) , Tehran Software branch GPA: 18.27/20.0 (equiv. 4.0/4.0)

RESEARCH INTEREST

Online learning algorithms, Optimization, Machine learning

PUBLICATIONS

- **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
- **Published** Ali Zeynali, Bo Sun, Mohammad Hajiesmaili, Adam Wierman; **Data-driven Competitive Algorithms for Online Knapsack and Set Cover**; *AAAI*; 2021
- **Under review** Optimal Competitive Algorithms for Online Multidimensional Knapsack Problems

RESEARCH PROJECTS

2020-Now	Online Bitrate Selection for 360 video streams. Supervisors: Dr. Mohammad Hajiesmaili - Dr. Ramesh Sitaraman University of Massachusetts, Amherst, USA
2019-Now	Multilingual clustering especially for news published about Covid19 Supervisor: Dr. Przemyslaw Grabowicz University of Massachusetts Amherst, USA
2019-2020	Optimization of online algorithms with worst-case guarantees and also good performance on real inputs Supervisor: Dr. Mohammad Hajiesmaili University of Massachusetts, Amherst, USA
2019-2020	Competitive Algorithms for the Online Multiple Knapsack/Online One-way Trading Problem with Application to Electric Vehicle Charging Supervisor: Dr. Mohammad Hajiesmaili University of Massachusetts Amherst, USA
2018-2019	Analyzing of cell-free tumor DNA (cfDNA) samples for detecting cancer Supervisor: Dr. Ali Sharifi-Zarchi Sharif University of Technology, Tehran, Iran

HONORS AND AWARD

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

COMPUTER SKILL

PROGRAMMING LANGUAGES:	Python, Java, C++
PYTHON LIBRARIES	Scikit-learn, Numpy, Keras, Tensorflow
TOOLS	Git, mySQL, Postgresql
WEB	Django, HTML, CSS
OTHER	Bash Programming, LINUX, \LaTeX

WORK EXPERIENCE

MAY-AUGUST 2021	Data Science and Machine Learning Research Intern Adobe, San Jose, USA
APRIL-DECEMBER 2017	Data Scientist Intern (unpaid) Nullatech (start-up company), Tehran
2014-2018	Science Olympiad Teacher at: 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

TEACHING ASSISTANT EXPERIENCE

SPRING 2020 FALL 2019	Java programming Instructors: Dr. THOTA and Anderson UMass, Amherst
FALL 2018	Computer networks Instructors: Dr. JAFARI Sharif University of Technology (SUT), Tehran
FALL 2018	System analysis and design Instructors: Dr. FAZLI Sharif University of Technology (SUT), Tehran
SPRING 2018	Database design Instructors: Dr. HEYDARNOORI Sharif University of Technology (SUT), Tehran
SPRING 2018 FALL 2017	Theory of languages and machines (Automata) Instructors: Prof. MOVAGHAR - Dr. IZADI Sharif University of Technology (SUT), Tehran
SPRING 2018 SPRING 2016	Data structures and algorithms Instructors: Dr. SHARIFI ZARCHI Sharif University of Technology (SUT), Tehran
SPRING 2018	Probability and statistics Instructors: Dr. JAFARI Sharif University of Technology (SUT), Tehran

RELATED COURSE

Course	Grade in 4.0 Scale	Organization
Advanced algorithm (Graduate)	4.0	UMass
Machine learning (Graduate)	4.0	UMass
Artificial intelligence(Graduate)	4.0	UMass
Social and economic networks (Graduate)	4.0	SUT
Artificial intelligence	4.0	SUT

Probability and statistics	4.0	SUT
Design of algorithms	4.0	SUT
Database design	4.0	SUT
Data structure and algorithms	4.0	SUT