# Ali Zeynali

### PERSONAL DATA

22 June 1996 BIRTHDAY:

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MA, USA

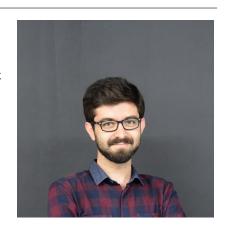
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### **EDUCATION**

2019-PRESENT MS/Ph.D. Student in COMPUTER SCIENCE,

University of Massachussets, Amherst

CO-ADVISORS: MOHAMMAD HAJIESMAILI, RAMESH SITARAMAN

GPA: 4.0/4.0

Bachelor of Science in Computer engineering, 2014-2019

Sharif University of Technology (SUT), Tehran, Iran

Software branch

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

### RESEARCH INTEREST

Online learning algorithms, Optimization, Machine learning

#### **PUBLICATIONS**

**AAAI 2021** Data-driven Competitive Algorithms for Online Knapsack and Set Cover

ACM **SIGMETRICS** 

2020

Competitive Algorithms for the Online Multiple Knapsack Problem

with Application to Electric Vehicle Charging

READY TO SUBMIT

2019-2020

Cancer early detection based on cfDNA statistical and machine learning approaches

# 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 gurantees 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

# 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

### 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 24th among 1823 teams in 10th IEEEXTREME, $24^h$ programming contest
SUMMER 2014	Golden Medalist of 8 <sup>th</sup> IOAA (International Olympiad on Astronomy and Astrophysics in Romania) among more than 200 international students
SUMMER 2013	Golden Medalist of 9 <sup>th</sup> National Olympiad on Astronomy and Astrophysics, among more than 5,000 students

### **WORK EXPERIENCE**

MAY 2021-PRESENT Data Science and Machine Learning Researcher Intern

Adobe, San Jose, USA

APRIL-DECEMBER

2017

Data Scientist Intern (unpaid) Nullatech (start-up company), Tehran

**Science Olympiad Teacher** 

at: National Young Scholar Club (YSC), Tehran, Iran

2014-2018 Farzanegan and Allame Helli High Schoool (NODET), Tehran, Iran

Allame-Tabatabaei High Schoool, Tehran, Iran

Mofid High Schoool, 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 - Dr. Rabiei and Dr. Hosseini 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
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