

# Ali Zeynali

## PERSONAL DATA

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BIRTHDAY: 22 June 1996  
ADDRESS: LGRC A227, University of  
Massachusetts, Amherst,  
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## EDUCATION

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2019-PRESENT	MS/Ph.D. Student in COMPUTER SCIENCE, <b>University of Massachusetts, Amherst</b> <b>GPA: 4.0 (out of 4.0)</b>
2014-2019	Bachelor of Science in COMPUTER ENGINEERING, <b>Sharif University of Technology (SUT)</b> , Tehran, Iran Software branch <b>GPA: 4.0 (out of 4.0)</b>

## RESEARCH INTEREST

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Online learning algorithms, Optimization, Machine learning

## PUBLICATIONS

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SUBMITTED 2020	Learning Competitive Algorithms with Applications to Online Knapsack and Set Cover
SUBMITTED 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 EXPERIENCE

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2020-Now	Online Bitrate Selection for 360 video streams. Supervisors: Dr. Mohammad Hajiesmaili - Dr. Ramesh Sitaraman. University of Massachusetts, Amherst.
2019-Now	Multilingual clustering especially for news published about Covid19. Supervisor: Dr. Przemyslaw Grabowicz. University of Massachusetts, Amherst.
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.
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.
2018-2019	Analyzing of cell-free tumor DNA (cfDNA) samples for detecting cancer under the supervision of Dr. Ali Sharifi-Zarchi at Sharif University of Technology (international collaboration)

## COMPUTER SKILL

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Python , Java, C++, Git, Web Crawling, MySQL, LINUX bash Programming,  $\text{\LaTeX}$ , Web Languages (HTML, CSS), Django

## HONORS AND AWARD

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SUMMER 2019	Selected in Top-Ten B.Sc. students of computer engineering department, Sharif University of Technology.
FALL 2016	Ranked 24 <sup>th</sup> in 10 <sup>th</sup> IEEEEXTREME (24 <sup>h</sup> <a href="#">programming contest</a> ) 2016
SUMMER 2014	Golden Medalist of 8 <sup>th</sup> IOAA (International Olympiad on Astronomy and Astrophysics in Romania) over more than 200 international students
SUMMER 2013	Golden Medalist of 9 <sup>th</sup> National Olympiad on Astronomy and Astrophysics

## WORK EXPERIENCE

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APRIL-DECEMBER 2017	Data Scientist Intern  <b>Nullatech IT company, Tehran</b>
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2014-2018	Science Olympiad Teacher at: National Young Scholar Club (YSC), Tehran, Iran Farzanegan and Allame Helli High School (NODET), Tehran, Iran Allame-Tabatabaei High School, Tehran, Iran Mofid High School, Tehran, Iran
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## TEACHING ASSISTANT EXPERIENCE

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

## 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