Ali Zeynali

Personal Data

Birthday:	22 June 1996
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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 (out of 4.0)**
2014-2019	Bachelor of Science in Computer engineering, **Sharif University of Technology (SUT)**, Tehran, Iran Software branch **GPA: 4.0 (out of 4.0)**

Research Interest

Online learning algorithms, Optimization, Machine learning

Publications

Accepted on AAAI 2021	Data-driven Competitive Algorithms for Online Knapsack and Set Cover
Accepted on ACM SIGMETRICS 2020	Competitive Algorithms for the Online Multiple KnapsackProblem with Application to Electric Vehicle Charging
Ready to submit 2019-2020	Cancer early detection based on cfDNA statistical and machine learning approaches

Research Experience

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 gurantees 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

Python , Java, C++, Git, Web Crawling, mySQL, LINUX bash Programming, LATEX, HTML, CSS, Django

Honors And Award

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 8th IOAA (International Olympiad on Astronomy and Astrophysics in Romania) among more than 200 international students
SUMMER 2013	Golden Medalist of 9th National Olympiad on Astronomy and Astrophysics, among more than 5,000 students

Work Experience

APRIL-DECEMBER 2017	Data Scientist Intern **Nullatech IT company**, Tehran

2014-2018	Science Olympiad Teacher at:
	National Young Scholar Club (YSC), Tehran, Iran
	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