

Shayan Hosseini

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Interests

- Software Engineering
- Distributed Computing
- Machine Learning
- Graph Theory
- Data Structures and Algorithms

Education

University of Tehran, Tehran, Iran

2015 - present

Undergraduate student of B.Sc. in Computer Engineering

- Current GPA: 16.36/20
- Related Courses: Data Structures and Algorithms (19.8/20), Theory of Formal Languages and Automata (19.5/20), Advanced Programming (18/20), Discrete Mathematics (18/20)

Allameh Helli High School, Tehran, Iran

2011 - 2015

Affiliated with the National Organization for the Development of Exceptional Talents (NODET),

Diploma in Mathematics and Physics Discipline

Awards and Honors

Ranked 2nd,

2016

18th ACM ICPC Regional Contest, Sharif University of Technology
Qualified to the 2017 ACM ICPC World Finals, South Dakota, USA

Ranked 3rd,

2016

14th Iran Nationwide Internet ICPC Contest, University of Tehran

Ranked 9th.

2015

17th ACM ICPC Regional Contest, Sharif University of Technology

Silver Medal,

2014

24th Iranian National Olympiad in Informatics, Tehran, Iran

Member of Iran's National Elites Foundation,

2014

National Elites Foundation, Tehran, Iran

Best Project Award,

2012

8th NODET Young Researchers Festival

For the project "CAPTCHA Farsi" which is a Persian CAPTCHA generator, uses image processing and calligraphy methods

2nd Place,

2011

6th Hellinet Programming Contest, Allameh Helli High School

Teaching Experience	University of Tehran, Tehran, Iran	
	Teaching Assistant	
	<ul style="list-style-type: none"> Discrete Mathematics Instructor: S. Mohammadi	Spring 2017
	<ul style="list-style-type: none"> Data Structures and Algorithms Instructor: H. Feili	Fall 2016
	Allameh Helli High School, Tehran, Iran	Summer 2015
	Algorithms and C++ Programming Instructor	
	Young Scholars Club, Tehran, Iran	Summer 2015
	Problem Solving and C++ Programming	
Professional Experience	Software Engineer at Cafe Bazaar, Tehran, Iran	Summer 2016
	The most popular Android application store with more than 30 million user	
	Working on CDNs new technologies to have the best performance and high availability	
	Software Developer at SABZ Biomedicals, Tehran, Iran	Summer 2015
	Developing software of Gel Doc system	
Technical Skills	Theoretical Background:	
	Experienced in Design of Algorithms, Data Structures, and Discrete Mathematical fields such as Graph Theory and Combinatorics.	
	Programming and Scripting:	
	Expert in C/C++	
	Experienced in Python, Bash-Scripting, Pascal, Go	
	Familiar with Java, Javascript and many other languages	
	Web Application Developer	
	<ul style="list-style-type: none"> Full Stack Python Developer Comfortable with Technologies HTML5, CSS3, jQuery and Django Framework Proficient in git, Familiar with many other DevOps tools 	
	Operating Systems: Expert Linux user	
	Technologies: NGINX, Redis, PostgreSQL, Kubernetes, Ceph File Storage	
	Application: L ^A T _E X, Vim	
	Image Processing: OpenCV	
	Simulation: SDL, ModelSim, Quartus	
	Agile Methodologies: Scrum	
Extracurricular and Volunteer Experience	Author of "Philosophy of Free Software"	Fall 2016
	Published in F1 Magazine (by University of Tehran ACM Student Chapter)	
	Co-Author of Codeforces Round #261	2014
	Preparing a programming contest on Codeforces platform, more than 4700 programmers participated in the contest.	