

Navid Salehnamadi

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Home Page: noid.ir

Education

- M.Sc. in Software Engineering, 2015-Present
[School of Computer Engineering, Sharif University of Technology](#)
Tehran, Iran
Thesis: Approximation Algorithms for Geometry Optimization in the Sliding Window Model (Under supervision of [Dr. Zarrabi-Zadeh](#))
My research is based on a [paper](#) which provides an algorithm to determine width of the points in the sliding window model. I'm reasearching on these types of geometry optimization (focusing on higher dimensions and composable core-sets) in this model.
- B.Sc. in Computer Engineering, 2011-2015
[School of Electrical and Computer Engineering, University of Tehran](#),
Tehran, Iran
Total GPA: 17.18 / 20
Project Thesis: Influence maximization on community-structured social networks.
Under supervision of [Dr. Asadpour](#).
I tried to solve influence maximization problem on social network more efficiently by considering its communities hierarchy structure. My main idea was using the hierarchy of communities to narrow down our search in complex and big social networks.
- Diploma in Physics and Mathematics Discipline, 2007-2011
Allameh Helli High School, under the supervision of [NODET](#),
Tehran, Iran
GPA: 19.06 / 20

Research Interests

- Software Engineering
I am the product manager of developers panel of Cafe Bazaar(a local android market with +31 million users). One of my responsibility is design some procedures to prevent entering malicious and harmful apps into the store. The challenges of automation of this process lead me to learn more about program analysis and system verification; furthermore, I took Software Evolution course to be more familiar with these concepts.
- Human Computer Interaction
One of my job in Cafe Bazzar was desgining a CRM panel for reviewing incoming android apps which consisted of many system procedures and human computer interactions. As a result I took some Interaction Design course and I continue my study bt taking a specialization in Interaction Design by Scott Klemmer in coursera now.
Passed Course:
Human Centered Design: an Introduction, Design Principle: an Introduction, Input And Interactions - (Average grade: 95.13/100)
- Algorithms and Social Network Analysis
I have concentrated on these area in my B.Sc. and M.Sc thesises which I described in the education section. Moreover I produced a data set for a game-theoric approach to influence maximization on social network course.
Passed Courses:
Approximation Algorithms, Computational Geometry, Randomized Algorithms, Social Networks, Game Theory

Working Experience

- Product Manager Fall 2015 - Present
[Cafe Bazaar](#)
A local android market with +31 million users and the third most successful Iranian startup estimated to be worth \$20 million by [economist web site](#).
I'm currently the product manager/designer of Cafe Bazaar's developers panel.
Before that I was responsible for redesigning an internal system (a CRM panel) and its users performance has been increased about 4 times.
- Designer of [VAHED](#) Summer 2014 - Present
VAHED is an online service to help students to choose their courses and arrange their weekly plan easier, developed in Ruby on Rails.
University of Tehran
- Designer and Developer of [Discrete Mathematics Contest](#) Spring 2014
DM Contest is an online platform to encourage students learn Discrete-Mathematics by buying problems or bid in auctions and play funny games.
University of Tehran
- Developer Summer and Fall 2013
[Cafe Bazaar](#)
My intermediate skills in software development have been improved.
Moreover this experience helped me to develop stronger team work spirit. Tehran, Iran

Honors and Awards

- ACM Student Chapter Excellence Award Winner 2014-2015
Outstanding School Service
as Vice-Chair of the University of Tehran ACM Student Chapter
- Ranked 1st Sep 2014
19th Iran Nationwide Scientific Olympiad for University Students in Computer Science
This award privileged me to be admitted in every university of Iran
- Ranked 9th Dec 2013
ACM ICPC Regional Contest,
Tehran site
- Ranked 3rd Mar 2012
IranOpen Robocup Competition 2012
The most credited Robocup Competition in Iran Rescue Simulation League
as the leader of Eskilas Team
- Silver Medal Sep 2010
Iran National Olympiad in Informatics
The final step to the world-final International Olympiad in Informatics
- Ranked 2nd Oct 2009
11th Khwarizmi Young Award, Tehran, Iran
The most credited award in Iran for outstanding achievement by young scholars
Robotic Competition - Rescue Agent Simulation

Teaching Experience

- Design and Analysis of Algorithms Fall 2016
Teaching Assistant of [Dr. Zarrabi-Zadeh](#) Spring 2015
Teaching Assistant of [Dr. Sadjad](#) Fall 2014
Teaching Assistant of [Dr. Asadpour](#)

- Software Engineering Lab Fall 2014
Teaching Assistant of [Dr. Ramtin Khosravi](#) Fall 2015
University of Tehran
- Discrete Mathematics Fall 2014
Teaching Assistant of [Dr. Siamak Mohammadi](#) Spring 2014, 2015
University of Tehran
- Data Structures and Algorithms Spring 2014
Teaching Assistant of [Dr. Heshaam Faili](#) Fall 2013
University of Tehran
- Introduction to Object-Oriented Programming Fall 2014
Instructor
Allame Helli High School

Leadership and Membership

- Editor of F1's special issue for ACM ICPC Regional Contest, Tehran Site Fall 2015
F1 is the scientific journal of ACM student chapter of University of Terhan.
- [ACM Student Chapter Vice-chair](#) 2014
University of Tehran
- Member of F1 Journal Team Summer 2014
ACM Student Chapter Scientific Journal
- Leader of the Rescue Simulation League 2012
Eskilas Team
Allame Helli High School

Skills

- Language
 - Persian: native
 - English: fluent
TOEFL iBT - 99 (Reading 25, Listening 30, Speaking 19, Writing 25)
(Expired) TOEFL iBT 102 (Reading 28, Listening 27, Speaking 22, Writing 25)
GRE - Verbal: 147 (33%) Quantitative: 169 (97%) Analytical: 3.0 (15%)
- Programming languages
 - Expert in C/C++
 - Proficient in Python, Ruby
 - Familiar with Java, PHP, JavaScript
- Databases (have experience): PostgreSQL, Neo4j, MongoDB

Hobbies

- Reading comic books (Especially Batman)
- Playing the Guitar and harmonica
- Hiking