

Navid Salehnamadi

navid.saleh.n@gmail.com

Home Page: noid.ir

Education

- Ph.D. in Software Engineering, 2017-Present
[School of Information and Computer Science, University of California, Irvine](#)
Irvine, California, USA
Currently I'm a research assistant at [SEAL lab](#) under supervision of [Prof. Malek](#).
- M.Sc. in Software Engineering, 2015-2017
[School of Computer Engineering, Sharif University of Technology](#)
Tehran, Iran
Total GPA: 17.58 / 20
Thesis: Approximation Algorithms for Geometry Optimization in the Sliding Window Model (Under supervision of [Dr. Zarrabi-Zadeh](#))
We introduced a framework for approximating a family of geometry optimization problems (such as k -center) in the Sliding Window Model. Our method improved the best approximation factor of k -center problem from 6 to $2+\epsilon$.
- 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
- Human Computer Interaction
- Algorithms and Social Network Analysis

Working Experience

- Product Manager and Team Leader Fall 2015 - Summer 2017
[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](#).
My last position was the product manager and Team Leader 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.
- Back-End Developer Spring 2017
[IOI 2017](#) Translation System

This is a web app for translating International Olympiad in Informatics 2017 tasks. We used Django, Redis, Docker. The source code is available at [here](#).

- 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
Teaching Assistant of [Dr. Zarrabi-Zadeh](#) Fall 2016
Teaching Assistant of [Dr. Sadjad](#) Spring 2015
Teaching Assistant of [Dr. Asadpour](#) Fall 2014
- Software Engineering Lab
Teaching Assistant of [Dr. Ramtin Khosravi](#) Fall 2014
University of Tehran Fall 2015
- Discrete Mathematics
Teaching Assistant of [Dr. Siamak Mohammadi](#) Fall 2014
University of Tehran Spring 2014, 2015

- Data Structures and Algorithms Spring 2014
Teaching Assistant of [Dr. Hesham 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