# 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

- Human Computer Interaction
  I'm taking Interaction Design specialization by Scott Klemmer in coursera now.
  Passed Course:
  Human Centered Design: an Introduction, Design Principle: an Introduction, Input And Inter-
  actions - (Average grade: 95.13/100)
  I learned more about HCI and user cognitive model when I was working on a crm panel in Cafe
  Bazaar.

- Algorithms and Social Network Analysis
  I've concentrate 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

- Software Engineering
  I currently work in Cafe Bazaar which is one of the most famous and popular android markets
  in Iran (with +31 million users). The developing and maintaining softwares becomes more chal-
  lenging as our users are growing rapidly. As a result I'm taking The Software Evolution this
  semester.

## Working Experience

- Product Manager                                                                    Fall 2015 - Present
  Cafe Bazaar (A local android market with +31 milion users)
  I'm currently the product manager/designer of Cafe Bazaar's developers panel. Before that I was
  responsible for redesigning an internal system which is similar to a CRM panel and it increased
  its users performance 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
  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
  New York, USA

- Ranked 1st                                                                          Sep 2014
  19th Iran National University Students' Scientific Olympiad in
  Computer Engineering
  Tehran, Iran

- Ranked 9th                                                                          Dec 2013
  ACM ICPC Regional Contest,
  Tehran site

- Ranked 3rd                                                                          Mar 2012
  IranOpen Robocup Competition 2012 Rescue Simulation League
  as the leader of Eskilas Team

- Silver Medal                                                                        Sep 2010
  Iran National Olympiad in Informatics

- Ranked 2nd                                                                          Oct 2009
  11th Khwarizmi Young Award, Tehran, Iran
  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

- Discrete Mathematics                                                               Fall 2014
  Teaching Assistant of Prof. Siamak Mohammadi                                        Spring 2014, 2015
  University of Tehran

- Data Structures and Algorithms                                        Spring 2014
  Teaching Assistant of Prof. Heshaam Faili                                Fall 2013
  University of Tehran

- Artificial Intelligence                                                  Fall 2014
  Teaching Assistant of Prof. Hadi Moradi
  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