

Hamed Saleh

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Research Interests

- Algorithmic Game Theory
- Approximation Algorithms
- Randomized Algorithms
- Graph Theory

Education

Sharif University of Technology, Tehran, Iran. 2012 - present
Department of Computer Engineering
B.Sc. in Computer Engineering, **GPA: 17.12/20**

Allameh Helli High School, Tehran, Iran. 2008 - 2012
Diploma in Mathematics and Physics Discipline
Affiliated with the National Organization for Development of Exceptional Talents. (NODET)

Honors and Awards

ACM-ICPC, International Collegiate Programming Contest by ACM.
• **15th Team** in **the 39th ACM-ICPC World Finals**. 2015
Marrakech, Morocco
• **27th Team** in **the 37th ACM-ICPC World Finals**. 2013
St. Petersburg, Russia
• **1st, 2nd, 1st Team** in Regional Contests of ACM-ICPC West Asia Region,
Tehran Site, respectively in **2012, 2013** and **2014**.
Gold Medal in the 20th **Iranian National Olympiad in Informatics**. 2010
Awarded as **Outstanding Student** by the university president. 2013
Recipient of the Grant for Undergraduate Studies. 2012 - present
from the Iran's National Elites Foundation, for outstanding academic success.

Research Experience

Undergraduate member of **CE Algorithm Laboratory** 2016 - present
Sharif University of Technology
Under supervision of Prof. M. Ghodsi
Working on the problem of fair allocation of indivisible goods

Teaching Experience

Teaching Assistant 2014 - present
Sharif University of Technology

- Compiler Design, M. H. Foroughmand-Araabi, Spring 2016
- Design and Analysis of Algorithms, M. Abam, Fall 2015
- Design and Analysis of Algorithms, H. Zarrabi-Zadeh, Fall 2015
- Object Oriented Design, S. Foroughi, Fall 2015
- Data Structures and Algorithms, M. Abam, Spring 2014

IOI and ACM-ICPC related

Teaching special topics in computer science including Advanced Algorithms, Data Structures, and Algorithmic Graph Theory to undergraduate students preparing for ACM-ICPC as well as high school students preparing for IOI and INOI.

- [INOI Summer Camp](#), at Young Scholars Club 2014
- [University of Tehran](#) 2015
- [Allameh Helli High School](#) and several other high schools 2011 - 2014

Work Experience

Professional Software Engineer

- **Software Engineer** at [Cafe Bazaar Co.](#) 2016
Member of the Search project of Cafe Bazaar, dealing with Information Retrieval and Natural Language Processing challenges.
- **Software Engineer** at [Lyan Co.](#) 2015
Started an online marketing platform startup.
- **Android Developer Intern** at [Rahnema Co.](#) 2013
Participant in Rahnema Co. Android Development Camp.

Open Source Software Developer

- [HelliJudge](#), Co-Founded with [Mahrud Sayrafi](#). 2011

Selected Courses

- Randomized Algorithms (Grad. Course): 20/20
- Algorithms for Massive Data Sets (Grad. Course): 19/20
- Design and Analysis of Algorithms: 20/20
- Data Structures and Algorithms: 20/20

Technical Skills

- **Operating Systems:** Mac, Linux, and Windows.
- **Typesetting:** L^AT_EX, Microsoft Office, and LibreOffice.
- **Programming Languages:** C/C++, Python, Java, Bash, and MATLAB.
- **Web Technologies:** HTML5, CSS3, jQuery, Django, and MongoDB.

Other Activities

Member of **National Committee** of Iranian Olympiad in Informatics 2016 - present

Member of **Scientific Committee** of Programming Competitions
Designing contests and authoring problems with algorithmic theme

- [IOI 2017](#) in Tehran, Iran 2016 - present
- [ACM-ICPC Regional Contests](#) 2015 - present
- [Sharif AI Challenge](#) 2013
- [INOI Summer Camp Programming Exams](#) 2014 - 2016
- Iran's [IOI Team Selection Exams](#) 2014 - 2015
- [Bayan Programming Contest](#) 2015
- [Hellinet Programming Contest](#) for High School Students 2012 - 2014