

Mohsen Abbasi

Curriculum Vitae

Personal Data

Place and Date of Birth: Iran, 1989
Address: [Department of Computer Engineering](#)
[Sharif University of Technology](#)
Phone: +98 (936) 5429650
Email: mohsen.h.abbasi@gmail.com
mabbasi@ce.sharif.edu
Homepage: mohsenabbasi.github.io

Education

September 2014 M.Sc. in Computer Engineering, **Sharif University of Technology**
Major: Algorithms And Computations
Thesis: “*Online Unit Clustering In Two Dimensions*”
Advisor: Prof. Hamid Zarrabi-zadeh | GPA: 16.32/20
[| Detailed List of Courses](#)

September 2012 B.Sc. in Computer Engineering, **Iran University of Science and Technology**
Major: Software Engineering
Thesis: “*Algorithmic Mechanism Design For Peer To Peer Networks*”
Advisors: Profs. Morteza AnaLoui, Mohammad R. Kangavari | GPA: 15.17/20
[| Detailed List of Courses](#)

September 2006 High school Diploma at **National Organization for Development of Exceptional Talents**
Major: Mathematics and Physics
GPA: 18.72/20

Research Interests

- Randomized and Approximation Algorithms
- Computational Geometry
- Online Algorithms
- Algorithmic Game Theory
- Database Systems and Data Mining
- Computer Networks

Scholarships and Certificates

- Ranked top 0.05% among all applicants for M.Sc. Nationwide University Entrance Exam (approximately 30000 applicants), 2012.
- Recieved the direct-entrance fellowship for M.Sc. program of Iran University of Science and Technology with High GPA, 2011.
- Ranked top 0.5% among all applicants for B.Sc. Nationwide University Entrance Exam (approximately 300000 applicants), 2007.

Experience

5.1 Research Experience

<i>Fall 2012-Fall 2014</i>	Under the supervision of Prof. Hamid Zarrabi-zadeh Online Unit Clustering and Covering Problem Direction and Range Assignment for Directional Antennae in Wireless Networks
<i>2012</i>	Under the supervision of Prof. Morteza AnaLoui Publication: A New Model For Peer-to-Peer Networks To Improve Altruism Between Users

5.2 Work Experience

<i>October 2012- June 2013</i>	Database Designer and Developer at Sepanta Inc, Tehran Designed the database used for Kala Co's automation system. Worked as C# and ASP.Net programmer.
<i>June-Oct 2010</i>	Intern at Nasim Hamrah Inc, Tehran Worked as c++ and Java Developer.

5.3 Teaching Experience

<i>Fall 2014</i>	Teaching Assistance of Design and Analysis of Algorithms, Sharif University of Technology.
------------------	--

Publications

- Online Unit Clustering In Two Dimensions, Mohsen Abbasi, Hamid Zarrabi-Zadeh, AmirMahdi Ahmadinejad [to be submitted] ([Download](#))
- Direction and Range Assignment for Directional Antennae in Wireless Networks, Mehdi Kharati-Zadeh, Mohsen Abbasi, Hamid Zarrabi-Zadeh [to be submitted] ([Download](#))
- Mechanism Design for Single-Service Peer to Peer Networks, Mohsen Abbasi, Morteza AnaLoui (B.Sc. Thesis).

Languages

English:	Fluent TOEFL score: Total: 105, reading: 26, Listening: 28, Speaking: 24, Writing: 27 GRE score: Verbal Reasoning: 151, Quantitative Reasoning: 165, Writing: 3
Persian:	Mother tongue
Spanish:	Basic Knowledge
Arabic:	Basic Knowledge

Technical Skills

<i>Programming Languages</i>	C++, Java, C#, HTML, Javascript, CSS, C, PHP, Python, CUDA, x86 Assembly
<i>Frameworks and Tools</i>	Microsoft Visual Studio, NetBeans, Eclipse, Microsoft SQL Server, ASP.NET, Microsoft Office, L ^A T _E X, jQuery, Bootstrap, Visual Paradigm, CodeIgniter, OPNET, Clementine, Adobe Photoshop
<i>Database systems</i>	SQL, MS Sql Server, MySql, PostgreSQL
<i>Operating systems</i>	Linux, Microsoft Windows

Courses

M.Sc. in Computer Engineering

Grades

Course	Grade	Credit
Advanced Algorithms	15.2	3
Computational Geometry	17	3
Performance Evaluation of Computers	14.2	3
Distributed Systems	14	3
Approximation Algorithms	16	3
Randomized Algorithms	17	3
Green Computing	15.6	3
Seminar	19.6	2
Thesis	19.5	6

B.Sc. In Computer Engineering

Grades

Course	Grade	Credit
Major Courses		
Information Storage and Retrieval	17	3
Database Design	17.5	3
Software Engineering	16.1	3
Data Structures	17.5	3
Algorithm Analysis and Design	16.5	3
Artificial Intelligence	16.5	3
Theory of Languages and Automata	14.6	3
Computer Networks	19.6	3
Thesis	20	3
Mathematics Courses		
General Mathematics 1	15	3
General Mathematics 2	17	3
Differential Equations	14.75	3
Statistics	17.25	3