Mohsen Abbasi

Curriculum Vitae

Personal Data

Place and Date of Birth:	Iran, 1989
Address:	Department of Computer Engineering
	Sharif University of Technology
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Education

September 2014	M.Sc. in Computer Engineering, **Sharif University of Technology**
	Major: Algorithms and Computation
	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

Fall 2012-Fall 2014 | Under the supervision of Prof. Hamid Zarrabi-zadeh
Online Unit Clustering and Covering Problem

2012 | Under the supervision of Prof. Morteza AnaLoui
A New Model For Peer-to-Peer Networks To Improve Altruism Between Users

5.2 Work Experience

October 2012- June 2013 | 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.

June-Oct 2010 | Intern at Nasim Hamrah Inc, Tehran
Worked as c++ and Java Developer.

5.3 Teaching Experience

Fall 2014 | Teaching Assistance of Design and Analysis of Algorithms, Iran University of Science and Technology.

Spring 2011 | Teaching Assistance of Database Design, Iran University of Science and 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, Hamid Zarrabi-Zadeh, Mohsen Abbasi [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

Programming Languages	C++, Java, C#, HTML, Javascript, CSS, C, PHP, Python, CUDA, x86 Assembly
Frameworks and Tools	Microsoft Visual Studio, NetBeans, Eclipse, Microsoft SQL Server, ASP.NET, Microsoft Office, LaTeX, jQuery, Bootstrap, Visual Paradigm, CodeIgniter, OPNET, Clementine, Adobe Photoshop
Database systems	SQL, MS Sql Server, MySql, PostgreSql
Operating systems	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