

Mohammad Mahini

PERSONAL INFORMATION

Birthday: Aug. 19 1987

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RESEARCH INTERESTS AND ACTIVITIES

- Algorithms.
- Combinatorial Optimization.
- Algorithmic game theory.
- Bioinformatics.
- Urban Traffic Modeling.
- Intelligent Transportation Systems, Dynamic Traffic Assignment, Traffic Prediction

AWARDS AND HONORS

- Silver Medal in the 13th Iranian Informatics Olympiad, Iran, 2003.
- Gold Medal in the 14th Iranian Informatics Olympiad, Iran, 2004.
- Silver Medal in the 17th International Olympiad in Informatics, Poland, 2005.
- Second place in the Sharif Internal ACM Contest, together with K. Mirjalali and H. Ahmadinejad, Tehran, Iran, 2006.
- Second place in the Asia Regional ACM Contest and rising to the Final Competitions, together with K. Mirjalali and H. Ahmadinejad, Tehran, Iran, 2006.
- First place in the Sharif Internal ACM Contest, together with K. Mirjalali and S. Oveisgharan, Tehran, Iran, 2007.
- 4th place in the Asia Regional ACM Contest and rising to the Final Competitions, together with K. Mirjalali and S. Oveisgharan, Tehran, Iran, 2007.
- 14th place in the World Final ACM Contest, together with K. Mirjalali and H. Ahmadinejad, Tokyo, Japan, 2007.

PUBLICATIONS

- Combinatorial Optimization & Linear Programming in Persian script (Draft Edition).
- Beautiful problems in Dynamic algorithm in Persian script (Draft Edition).

EDUCATION

- 2008-now: MS in Computer Engineering, Department of Computer Engineering, Sharif University of Technology, Tehran, Iran.
- 2005-2008: BS in Computer Engineering, Department of Computer Engineering, Sharif University of Technology, Tehran, Iran.
My average mark is 17.12/20.0.

- 2001-2005: Diploma in mathematics and physics, Shahid Soltani High School (Sampad), Karaj, Iran.

EXPERIENCES

- Research in Institute for Studies in Theoretical Physics and Mathematics (IPM), Computer Science Department, 2005.
- Teaching courses for Iranian Informatics Olympiad Teams.
- Teaching Assistant,
 - Discrete Mathematics, Spring 2007.
 - Discrete Mathematics, Spring 2008.
- Writing a book about 'Combinatorial Optimization & Linear Programming'.
- Manage the process of Online Computer Science System Design.
- System & Architectural Design of an 'Intelligent & Integrated Traffic & Transportation System' say 'TTSTP'.
- Director of 'TTSTP' project.
- Work on Add-Hoc traffic problems in Iran, such as 'Dynamic Traffic Assignment'.
- Implement a Mobile Speed Detection System (work on police vehicles).

PROFESSIONAL MEMBERSHIPS

- Member of the National Informatics Olympiad Students Committee, 2006-now.
- Member of the National Informatics Olympiad Committee, 2007-2008.
- Director of the National Informatics Olympiad Students Committee, 2007.
- Member of Young Scholars Club (The Iranian Olympiad organization), 2003-now.
- Member of The Iran National Elite Institute, 2006-now.
- Member of Scientific Student Society, Computer Department of Sharif University of Technology, 2006-2007