

# Ashkan Mokarian Forooshani

ashkan@mpi-inf.mpg.de

Research Interests: Optimization, Probabilistic Analysis, Machine Learning, Computer Vision

## Education

---

*Saarland University, Saarbrücken, Germany*

**M.Sc. Computer Science (Honor's Program)**

*Oct 2013 - June 2015(expected)*

*University of Tehran, Tehran, Iran*

**B.Sc. Electrical Engineering - Systems Theory and Control Engineering**

*2006 - 2010*

*Emam Sadeq Educational Center, Esfahan, Iran*

**High School Diploma in Mathematics and Physics**

*2002 - 2006*

## Awards and Honors

---

**IMPRS-CS Scholarship**, from MPI Informatics at Saarbrücken

*2014-2015*

Ranked 14 in Iranian National M.Sc. Entrance Exam

*2009*

Ranked 256 among 300,000+ candidates in the National Matriculation Exam of Iran

*2006*

Ranked 4 in National Computer Programming Contest held in Yazd  
and First rank in the elementary stages in Esfahan

*2005*

Semi-finalist in the 22nd and 23rd Mathematics Olympiad

*2004 - 2005*

Finalist in the 3rd Tournament of Towns Mathematic Contest

*2004*

## Related Experience

---

*Computer Vision and Multimodal Computing(D2) group at MPI-I, Saarbrücken, Germany*

**Teaching Assistant**

*Winter 2014*

Course: Probabilistic Graphical Models by Prof. B. Schiele

*Computer Vision and Multimodal Computing(D2) group at MPI-I, Saarbrücken, Germany*

**Research Internship**

*Winter 2013*

Working on defining necessary and sufficient conditions for facet defining constraints in a 0-1 polytope defined by a relational graph extended with long range edges.

Supervisor: Dr. B. Andres (Head of Combinatorial Image Analysis group)

*University of Tehran, Tehran, Iran*

**Research Assistant**

*2010*

Power Generation Planning of Smart Electric Grids using Monte Carlo Simulation methods

Supervisor: Dr. H. Monsef

*University of Tehran, Tehran, Iran*

**Teaching Assistant**

*2010*

Course: Operation Research by Dr. A. Rahimi kian

Emam Sadegh Educational Center, Esfahan, Iran

**Teacher and Coach**

Preparing high school students for the ROBOCUP SIMULATION contest

*Summer 2009*

**Important Courses**

---

**Convex Optimization** by Prof. M. Hein  
*Grade: 1.0*

*Summer 2014*

**Probabilistic Graphical Models** by Prof. B. Schiele, Dr. B. Andres  
*Grade: 1.0*

*Winter 2013*

**Random Discrete Structures** by Dr. A.Ghosh, Dr. K. Dutta  
*Grade: 1.0*

*Summer 2014*

**Statistical Natural Language Processing** by Prof. D. Klakow  
*Grade: 1.0*

*Summer 2014*

**High Level Computer Vision** by Prof. B. Schiele, Dr. M. Fritz  
*Grade: 1.3*

*Summer 2014*

**Skills**

---

*Programming:* C++, C, Python, L<sup>A</sup>T<sub>E</sub>X, CMake, Assembly

*Engineering Software:* MATLAB, GAMS, MAPLE

*Libraries familiar with:* CVX, liblinear, libsvm, Gurobi, opencv

**References**

---

**Prof. Bernt Schiele** (Head of Computer Vision and Multimodal Computing, Max Planck Institute for Informatics)

**Dr. Bjoern Andres** (Head of Combinatorial Image Analysis group, Max Planck Institute for Informatics)