

Ashkan Mokarian Forooshani

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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: 1.7

Summer 2014

Optimization by Dr. A. Karrenbauer, Dr. P. Chalermsook
Grade: 2.0 (3rd best grade among more than 20 students, the better grades were Ph.D. students)

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^AT_EX, 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 junior group, Max Planck Institute for Informatics)