Ashkan Mokarian Forooshani

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Research Interests: Optimization, Machine Learning, Computer Vision

Education

Saarland University, Saarbrucken, Germany
M.Sc. Computer Science (Honor's Program) *Oct 2013 - Apr 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 Saarbrucken *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 *2005*
and First rank in the elementary stages in Esfahan

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, Saarbrucken, 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 *Summer 2009*
Preparing high school students for the ROBOCUP SIMULATION contest

Important Courses

Convex Optimization by Prof. M. Hein *Summer 2014*
Grade: tba around October 15

Optimization by Dr. A. Karrenbauer, Dr. P. Chalermsook *Summer 2014*
Grade: 2.0 (3^{rd} best grade among more than 20 students, the better grades were Ph.D. students)

Probabilistic Graphical Models by Prof. B. Schiele, Dr. B. Andres *Winter 2013*
Grade: 1.0

Random Discrete Structures by Dr. A.Ghosh, Dr. K. Dutta *Summer 2014*
Grade: tba

Statistical Natural Language Processing by Prof. D. Klakow *Summer 2014*
Grade: 1.0

High Level Computer Vision by Prof. B. Schiele, Dr. M. Fritz *Summer 2014*
Grade: tba

Skills

Programming: C++, C, Python, LaTeX, CMake, Assembley

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)