

Ashiqur Rahman KhudaBukhsh

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Education

- **Carnegie Mellon University (CMU)** Pittsburgh, PA
Ph.D., Computer Science, Advised by Prof. Jaime G. Carbonell August 2011- present
- **University of British Columbia (UBC)** Vancouver, Canada
*M.Sc., Computer Science, Advised by Prof. Kevin Leyton-Brown
and Prof. Holger H. Hoos* November, 2009
- GPA : 3.95 / 4 (87%)
- Thesis: “[SATenstein: Automatically Building Local Search SAT Solvers from Components](#)”

Professional Experience

- Research Intern Microsoft Research, Redmond, USA
Mentored by Dr. Paul Bennett and Dr. Ryen White May 2014 - Aug 2014
- SDE (Software Development Engineer) Microsoft Corporation, Redmond, USA
Feb 2009 - Feb 2010
- SDE (Software Development Engineer) Intern Microsoft Corporation, Redmond, USA
Jun 2007 - Aug 2007

Grants

- Co-authored “EAGER: Distributed Learning in Expert Referral Networks” (Federal award id: 1649225, PI: Jaime G. Carbonell).

Publications

- **Robust Learning in Expert Networks: A Comparative Analysis.**
A.R. KhudaBukhsh, P.J. Jansen, J.G. Carbonell [submitted].
- **Proactive-DIEL in Evolving Referral Networks.**
A.R. KhudaBukhsh, J.G. Carbonell, P.J. Jansen.
European Conference on Multi-Agent Systems (EUMAS), 2016 [accepted].
- **Proactive Skill Posting in Referral Networks.**
A.R. KhudaBukhsh, J.G. Carbonell, P. J. Jansen.
Australasian Joint Conference on Artificial Intelligence (AI), 2016 [accepted].
- **Distributed Learning in Expert Referral Networks.**
A.R. KhudaBukhsh, P.J. Jansen, J.G. Carbonell.
European Conference on Artificial Intelligence (ECAI), 2016.
- **Quantifying the Similarity of Algorithm Configurations.**
L. Xu*, A.R. KhudaBukhsh*, H.H. Hoos, K. Leyton-Brown.
Learning and Intelligent Optimization Conference (LION 10), 2016.
- **SATenstein: Automatically Building Local Search SAT Solvers From Components.**
A.R. KhudaBukhsh*, L. Xu*, H.H. Hoos, K. Leyton-Brown.
Artificial Intelligence Journal (AIJ), 2016.

- **Building Effective Query Classifiers: A Case Study in Self-harm Intent Detection.**
A.R. KhudaBukhsh, Paul N. Bennett, Ryen W. White.
24th International Conference on Information and Knowledge Management (CIKM), 2015.
- **Detecting Non-adversarial Collusion in Crowdsourcing.**
A.R. KhudaBukhsh, J.G. Carbonell, P.J. Jansen.
Conference on Human Computation and Crowdsourcing (HCOMP), 2014.
- **SATenstein: Automatically Building Local Search SAT Solvers From Components.**
A.R. KhudaBukhsh, L. Xu, H.H. Hoos, K. Leyton-Brown.
International Joint Conference on Artificial Intelligence (IJCAI), 2009.
- **Design of an XOR gate With Quantum- Dot Cellular Automata (QCA).**
S.Roy, S.Mahinder, A.R.KhudaBukhsh.
International Conference on Nanostructure, Nanoelectronics, and Carrier Interaction, Hon Atsugi, Japan, 2005.

Teaching Experience

- Teaching Assistant with Prof. Manuel Blum for Graduate Algorithms, spring 2014.
- Teaching Assistant with Prof. Manuel Blum and Prof. Lenore Blum for Undergraduate Complexity Theory, fall 2013.
- Taught three 8-hour sessions on Sorting and Searching for brilliant high school students at CMU, as part of the Idea Math program, Summer 2013.
- From Jan 2011 to May 2011, guest faculty member in Computer Science Department, Jadavpur University. Taught Numerical Methods and Computer Programming (IEBE 125).
- From Aug 2010 to Dec 2010, visiting faculty member in Computer Science Department, Kalyani Govt. Engineering College. Taught Artificial Intelligence (CS702) and Design and Analysis of Algorithms (CS 503).
- From Aug 2005 to Dec 2005, visiting faculty member in Computer Science Department, Kalyani Govt. Engineering College. Taught Artificial Intelligence (CS702) and instructed the associated lab (CS 792).

Relevant Coursework

- Artificial Intelligence, Multi Agent Systems and Empirical Algorithms (UBC).
- Machine Learning (15-781), Intermediate Statistics (10-705), Statistical Machine Learning (10-702), Language and Statistics (11-661), and Convex Optimization (10-725) (CMU)

Programming Languages Known

C, Matlab, C# and Perl (basic), Python (basic).

Extra-Curricular Activities

- Published a collection of poems titled "Ghum Naam-er PahaR" which featured among the top 25 poetry new releases at Amazon Kindle Store.
- Composer (Youtube Channel: <http://www.youtube.com/user/khudabukhsh>), song-writer, guitarist and vocalist. Has collaborated with several noted Indian Classical musicians. Directed music for an Off-Broadway play, "Half-hearted", produced by M.A.D. Playhouse, staged at Cherry Lane Theater, 2013.