

Reza Babanezhad Harikandeh

Curriculum vitae

RESEARCH INTEREST

My interested research areas are: Optimization (convex/nonconvex) methods for large scale problems in ML, (Parametric/non parametric) Bayesian inference, Online Learning , Optimization for Artificial Neural Net

PUBLICATIONS

- Khan, M. E., Babanezhad, R., et. al., Faster Stochastic Variational Inference using Proximal-Gradient Methods with General Divergence Functions, UAI, 2016.
- Babanezhad, R., et.al, Stop wasting my gradient: Practical SVRG, NIPS, 2015.
- Schmidt, M., Babanezhad, R., Ahmed, M.O., Clifton, A., and Sarkar, A. Non-uniform stochastic average gradient method for training conditional random fields. AISTAT 2015.
- E.Wolfstodtre, R. Babanezhad: Denormalization Middleware for Database-as-a-Service, SOCA 2013.
- R.Babanezhad, Y. Mehrdad, R. Ramsin: Process Pattern for Web Engineering, COMPSAC 2010.

EDUCATION

2013 – NOW	Machine Learning group PHD COMPUTER SCIENCE <i>Computer Science, UBC</i>
2011 – 2011	Software Practice Lab MSC COMPUTER SCIENCE <i>Computer Science, UBC</i>
2008 – 2011	Software group M.SC. SOFTWARE ENGINEERING <i>Software Engineering, Sharif University, Tehran/Iran</i>
2001 – 2006	Software group B.SC. SOFTWARE ENGINEERING <i>Software Engineering, Sharif University, Tehran/Iran</i>

REFERENCES

- Dr. Mark Schmidt
- Dr. Francis Bach
- Dr. Eric Wolfstodtre
- Dr. Raman Ramsin

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WORK EXPERIENCE

Jun-Sept 2016
Inria research center, Paris, France
Research Intern (MITACS Globalink Award):
Research Intern under supervision of **Francis Bach**,
specifically working on stochastic algorithms using
monotone operators for saddle point problem

2013-2014
Recon, Vancouver, BC, Canada
MITACS Intern: Enabling Spark as new big
data processing engine for the company

2013-present
UBC, Vancouver, BC, Canada
Research Assistant: Researcher in Artificial
Intelligence Lab under supervision of **Mark Schmidt**

2011-2013
UBC, Vancouver, BC, Canada
Research-Teaching Assistant: TA in courses
like Advanced Machine Learning, Machine Learning,
Advanced Software Engineering

2010-2011
Miad Company, Tehran, Iran
Software Designer, Developer, Documenter

SKILLS

PROGRAMMING LANGUAGE	Java, Python, C, Matlab
TOOLS	Apache Spark, Hadoop, Postgres, Oracle
LANGUAGE	English, Farsi