

Riashat Islam

PhD student in Machine Learning | <http://riashatislam.com>

Reasoning and Learning Lab, McGill University, Montreal, Canada | riashat.islam@mail.mcgill.ca

EDUCATION

MCGILL UNIVERSITY

PHD IN MACHINE LEARNING

Jan 2017 - Present | Montreal, Canada

School of Computer Science

Reasoning and Learning Lab

Montreal Institute of Learning Algorithms (MILA)

Supervisor : Doina Precup

Co-Supervisor : Joelle Pineau

UNIVERSITY OF CAMBRIDGE

MASTER OF PHILOSOPHY

Oct'15 - Aug'16 | Cambridge, UK

Machine Learning, Speech and Language Technology

Department of Engineering

Cambridge Machine Learning Group

Supervisor : Zoubin Ghahramani & Yarin Gal

Cum. GPA: 72% | Passed with Merit

UNIVERSITY COLLEGE LONDON

BACHELOR OF ENGINEERING

Sep'11 - Aug'15 | London, UK

Electronic and Electrical Engineering

Major : Computer Science (Machine Learning)

UCL Centre for Machine Learning

Supervisor : John Shawe-Taylor & Guy Lever

Cum. GPA: 81% | First Class Honors, Dean's List

PUBLICATIONS

Yarin Gal, Riashat Islam, Zoubin Ghahramani.

"Active Learning with Image Data".

Bayesian Deep Learning Workshop, NIPS 2016

PROJECTS

Large Vocabulary Speech Recognition

Variational Inference in Deep Latent Variable Models

Reinforcement Learning for Dialogue Systems

Advanced Machine Learning (Kaggle Competition)

Statistical Machine Translation

Keyword Spotting in Speech Recognition

Gaussian Processes and Latent Dirichlet Allocation

Playing Blackjack with Reinforcement Learning

Probabilistic Graphical Models

SKILLS

SOFTWARE

Python • MATLAB • Java •

Theano • Keras • TensorFlow • OpenCV • HTK Toolkit •

OpenFST • NLTK Toolkit • Cuda-Convnet • BRML Toolbox •

ROS • Verilog • Embedded Systems • FPGA • Arduino

RESEARCH EXPERIENCE

CAMBRIDGE MACHINE LEARNING GROUP

MASTERS THESIS RESEARCH STUDENT

SUPERVISOR : Zoubin Ghahramani AND Yarin Gal

Mar - Sep 2016 | Cambridge, UK

Information theoretic active learning approach using uncertainty

from Bayesian Convolutional Neural Networks. Framework to

improve data-efficiency in deep learning applications for images

CONTROL AND DYNAMICAL SYSTEMS LAB

CALTECH | SURF FELLOWSHIP

SUPERVISOR : Richard Murray

Jun - Sep 2015 | California, USA

Implemented real-time mapping, 3D point cloud integration,

risk-aware path planning and SLAM on a simulated Mars rover

using ROS toolbox. Additional Collaborator : NASA JPL

UCL CENTRE FOR COMPUTATIONAL STATISTICS AND MACHINE LEARNING

UNDERGRADUATE THESIS RESEARCH STUDENT

SUPERVISOR : John Shawe-Taylor AND Guy Lever

Sep 2014 - Apr 2015 | London, UK

Experimentation to improve convergence of deterministic policy gradient algorithms in reinforcement learning.

Additional Collaborator : David Silver (Google DeepMind)

JHU MACHINE LEARNING GROUP

JOHNS HOPKINS UNIVERSITY | SRE FELLOWSHIP

SUPERVISOR : Suchi Saria

Jun - Sep 2014 | Maryland, USA

Implemented a cost-sensitive decision tree of classifiers for

patient subgroup identification based on large scale ICU data

INDUSTRIAL EXPERIENCE

J.P MORGAN | INDUSTRIAL PLACEMENT INTERN

Jun 2014 - Mar 2014 | London, UK

Global Technology Infrastructure and Data Centre Networking.

Completed CCNA training.

DEUTSCHE BANK | SPRING WEEK INTERN

Apr 2014 | London, UK

One week intensive training on software application development

in investment banking.

AWARDS

2017 McGill School of Computer Science PhD Fellowship

2016 Deep Learning Summer School, Montreal, Canada

2015 Cambridge Commonwealth and International Trust

2015 Dean's List of Top Undergraduate Students

2015 SURF Fellowship from Caltech

2014 SRE Fellowship from Johns Hopkins University

2013 UCL Barlow Scholarship