

Koustuv Sinha

CONTACT INFORMATION	3421 Rue Durocher, Apt 403, Montreal, Quebec H2X2C6, Canada	<i>E-mail:</i> koustuvsinha@gmail.com koustuv.sinha@mail.mcgill.ca <i>WWW:</i> https://cs.mcgill.ca/~ksinha4
RESEARCH INTERESTS	Generative Language Models and Dialog Systems, Text Representation and Reasoning, Linguistics	
EDUCATION	McGill University , Montreal, QC, Canada	
	PhD Candidate, School of Computer Science, September 2018 - present	
	<ul style="list-style-type: none">• Advised by: Dr Joelle Pineau	
	MSc Thesis, School of Computer Science, September 2016 - August 2018	
	<ul style="list-style-type: none">• Thesis: Hierarchical text classification of large-scale topics: a Neural approach• Advised by: Dr Derek Ruths• GPA : 3.94/4• Courses : Applied Machine Learning (Comp 551, Fall 16), Network Science Seminar (Comp 767, Fall 16), Machine Learning (Comp 652, Winter 17), Cultural Analytics (LLCU 614, Winter 17), Neural Networks and NLP (LING 751, Fall 17), Reinforcement Learning (Comp 767, Winter 18)	
	Institute of Engineering & Management , West Bengal, India	
	B.Tech., Department of Computer Science & Engineering, August 2010 - May 2014	
	<ul style="list-style-type: none">• Advised by Prof Ee-kian Wong• Degree Grade Point Average (DGPA) : 9.16 / 10• Senior Project: <i>MongoLive - Browser Based utility library for Offline Synchronization with MongoDB</i>• Key Courses: Algorithms & Design, Natural Languages & Processing, Formal Languages & Automata Theory, Networking & Communication, Database Management Systems, Computer Architecture & Organization, Operating Systems, Discrete Mathematics & Probability	
	Jodhpur Park Boys School , West Bengal, India	
	Higher Secondary, July 2008 - May 2010	
	<ul style="list-style-type: none">• Percentage Obtained : 84.6%• Key Courses : Physics, Chemistry, Maths, Statistics	
	Ramakrishna Mission Vidyalaya, Narendrapur , West Bengal, India	
	Secondary, May 2002 - April 2008	
	<ul style="list-style-type: none">• Percentage Obtained : 91.1%• Key Courses : General Science & Computer Applications	
RESEARCH EXPERIENCE	Samsung Advanced Institute of Technology , Montreal, QC, Canada	
	<i>Research Intern</i>	Summer 2018

McGill University, Montreal, QC, Canada

Research Associate, Dialog Group, *RL Lab* **June 2017 - present**
Supervised by Dr. Joelle Pineau
Research Associate, *Network Dynamics Lab* **September 2016 - August 2018**
Supervised by Dr. Derek Ruths and collaboration
with David Jurgens
Research Associate, *txtLab - NovelTM Project* **September 2016 - August 2017**
Supervised by Dr. Andrew Piper

Indian Institute of Technology, Kanpur, India

Senior Project Associate **September 2015 - March 2016**
Department of Computer Science & Engineering
Supervised by Dr. Arnab Bhattacharya & Dr. Koumudi Patil

- Google Transparency - IIT Kanpur Initiative supported by Google to create a mobile platform in which users can interact with Government regarding public projects
- Lesen - Android Application text reader for the blind, capable of reading aloud text from images, signages and posters. 2nd prize winner in Goldman Sachs Able Solutions competition

TEACHING
EXPERIENCE

McGill University, Montreal, QC, Canada

Teaching Assistant, COMP 652 Machine Learning **Fall 2018**
Riashat Islam, Dr Audrey Durand

Teaching Assistant, COMP 551 Applied Machine Learning **Fall 2017,**
Prof. Dr. Joelle Pineau, Dr Herke Van Hoof, Sarath Chandar, **Winter 2018**
Ryan Lowe

Teaching Assistant, COMP 102B Computers & Computing **Winter 2017**
Prof. Dr. Derek Ruths

Teaching Assistant, COMP 189 Computers & Society **Fall 2016**
Prof. Dr. Derek Ruths

PROFESSIONAL
EXPERIENCE

Nomura Research Institute Financial Technologies India Pvt. Ltd., Kolkata,
West Bengal, India

Associate Software Engineer **August 2014 - August 2015**

- Developer Role : Front End Engineer
- Projects Developed :
 - R & D project involving implementation and feasibility study of UX technology shift from Flash based application to modern HTML5 & AngularJS
 - UX Upgradation of company product *Finch*, framework for financial application development, from old design to new responsive Mobile Friendly Material design

INVITED TALKS

- *On the unreasonable complexity of detecting social interactions in literature*, Digital Humanities (DH) 2017, July'17, McGill University, Montreal

PUBLICATIONS	<ul style="list-style-type: none"> • Koustuv Sinha, Yue Dong, Jackie Chi-kit Cheung and Derek Ruths; <i>A Hierarchical Neural Attention-based Text Classifier</i>, Empirical Methods of Natural language Processing (EMNLP), 2018 • Koustuv Sinha, Nicolas Angelard-Gontier, Peter Henderson, Prasanna Parthasarathy, Mike Noseworthy; <i>Reasoning & Learning Lab Chatbot</i>, NIPS 2017 Conversational Intelligence Challenge Finalist • Peter Henderson, Koustuv Sinha, Nicolas Angelard-Gontier, Nan Rosemary Ke, Genevieve Fried, Ryan Lowe, Joelle Pineau; <i>Ethical Challenges in Data-Driven Dialogue Systems</i>, AAAI/ACM conference on Ethics and Safety, 2017
ACTIVITIES	<ul style="list-style-type: none"> • Student Volunteer, 11th International Conference on Web and Social Media, 2017, Montreal • VP Social and Finance, Computer Science Graduate Society (CSGS), McGill University, Fall 2017 to present • Hosted Nodeschool's inaugural IEM Kolkata Chapter in Institute of Engineering & Management, Kolkata, which is an international open sourced volunteer based JavaScript community, committed to teach JS in a hands-on coding workshop format. • Taught and Mentored young middle school students of Ramakrishna Mission Vidyalaya, Narendrapur to introduce them to the world of programming in C and databases in MySQL, as a part of Alumni Association Initiative.
AWARDS & ACHIEVEMENTS	<ul style="list-style-type: none"> • Fonds Nature et Technologies Quebec (FRQNT) scholarship for Master level study in Computer Science, 2018 • Facebook ParLAI Grant for project proposal <i>Multi-model dialog generation with Off-Policy Q Learning</i>, Fall 2017 • Pierre Arbour Foundation Scholarship for Master level study in Computer Science & Engineering, 2017-18 • Sridharacharya Prize for Computer Excellency awarded due to consistent Highest Marks in Computer Science at Ramakrishna Mission Vidyalaya, Narendrapur, 2007
REFERENCES	Available on request.
MORE INFORMATION	<p>LinkedIn Profile https://in.linkedin.com/in/koustuvsinha.</p> <p>Github Profile https://github.com/koustuvsinha.</p>