Lovedeep Gondara

CONTACT INFORMATION	Data and Analytics British Columbia Cancer Agency Vancouver, BC V5Z1G1 Canada	*Cell:* (604) 832-7114 *E-mail:* lovedeep.gondara@bccancer.bc.ca
	Dept. of Computing Science Simon Fraser University Burnaby, BC V5A 1S6 Canada	*E-mail:* lgondara@sfu.ca

RESEARCH INTERESTS

Differential Privacy in Machine Learning, Deep Learning, Bayesian Statistics, Generative Models, Machine Learning in Healthcare.

EDUCATION

Simon Fraser University, Burnaby, BC Canada

Ph.D. Student, Computer Science, September 2016 -
- Advisor: Ke Wang

University of Illinois, Springfield, Illinois USA

M.S., Computer Science, Dec, 2015
- Advisor: Ted Mims

Colorado State University, Fort Collins, Colorado USA

Graduate courses, Statistics, 2014-2015

University of the Fraser Valley, Abbotsford, BC Canada

Graduate Certificate in Data Analytics, 2012-2013

Punjab Technical University, Punjab India

B.Tech, Computer Science, August, 2011

RESEARCH EXPERIENCE

British Columbia Cancer Agency, Vancouver, BC Canada
Team Lead, BioStatistics   **Dec, 2018 - present**

British Columbia Cancer Agency, Vancouver, BC Canada
BioStatistical Analyst   **June, 2013 - Nov 2018**

Statistics Canada, Vancouver, BC Canada
Deemed Researcher   **January, 2013 - December, 2016**

TEACHING EXPERIENCE

Simon Fraser University, Burnaby, BC Canada
Introduction to neural networks   **December, 2016**

Introduction to Generative Adversarial Networks   **May, September, 2017**

Honors and Awards	CMPT Graduate Fellowship, Simon Fraser University, 2019
	Travel award, NeurIPS 2019
	Clark Wilson LLP Graduate Scholarship, 2019
	Travel award, EurNLP 2019
	NVIDIA GPU Grant, 2018
	CMPT travel award, Simon Fraser University, 2018
	Alexander Graham Bell Canada Graduate Scholarship (CGS-D), 2018
	Helmut & Hugo Eppich Family Grad School award, Simon Fraser University, 2017
	John Jambor Knowledge Fund award, British Columbia Cancer Agency, 2017
	CMPT travel award, Simon Fraser University, 2017
	CMPT Graduate Fellowship, Simon Fraser University, 2017
	CMPT travel award, Simon Fraser University, 2016
	John Jambor Knowledge Fund award, British Columbia Cancer Agency, 2016
	International Biometrics Conference Travel Award, British Columbia Cancer Agency, 2016
	John Jambor Knowledge Fund award, British Columbia Cancer Agency, 2014
	SAS Global Forum Travel Award, SAS institute, 2014
	SAS Global Forum Travel Award, SAS institute, 2013

Relevant and recent publications

Gondara, Lovedeep, and Ke Wang. "Differentially Private Survival Function Estimation." *Machine Learning for Healthcare Conference*. PMLR, 2020.

Gondara, Lovedeep, and Ke Wang. "Differentially Private Small Dataset Release Using Random Projections." *Conference on Uncertainty in Artificial Intelligence*. PMLR, 2020.

Ricardo Silva Carvalho, Ke Wang, **Lovedeep Gondara**, Chunyan Miao. "Differentially Private Top-k Selection via Stability on Unknown Domain" *Conference on Uncertainty in Artificial Intelligence*. PMLR, 2020.

Gondara, L., Ke Wang, and Ricardo Silva Carvalho. "The Differentially Private Lottery Ticket Mechanism." arXiv preprint arXiv:2002.11613 (2020).

Gondara, L. and Wang, K. "MIDA: Multiple Imputation Using Denoising Autoencoders" *Pacific-Asia Conference on Knowledge Discovery and Data Mining.* Springer, Cham, 2018, pp. 260-272.

Gondara, L. and Wang, K. "Recovering Loss to Followup Information Using Denoising Autoencoders." 2017 *IEEE International Conference on Big Data (Big Data)*, Boston, MA, 2017, pp. 1936-1945. doi: 10.1109/BigData.2017.8258139

L. Gondara, "Medical Image Denoising Using Convolutional Denoising Autoencoders," *2016 IEEE 16th International Conference on Data Mining Workshops (ICDMW)*, Barcelona, 2016, pp. 241-246. doi: 10.1109/ICDMW.2016.0041

ALL PUBLICATIONS   Please see Google Scholar link below

ACADEMIC SERVICE   Reviewer:
SDM 18', ICML 20', EMNLP 20', NeurIPS 20', ACL 19' 20', CHIL 20', ICLR 20' 21' KDD 21'

PROGRAMMING   Python, R, SAS, Java

HOMEPAGE   https://lovedeepgondara.com/

GOOGLE SCHOLAR   https://goo.gl/tFuznH

GITHUB   https://github.com/lgondara

REFERENCES   Provided upon request