## 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, Sept 2022 (Expected)

- 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

*BioStatistical Analyst* — **June, 2013 - present**

*Interim Team Lead, BioStatistics* — **Dec, 2018 - Mar, 2021**

**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

## Publications

Most recent and relevant five publications, for a complete list, please see the Google scholar link.

1. **Gondara, L.**, Wang, K., & Carvalho, R. S. (2022, March). Differentially Private Ensemble Classifiers for Data Streams. In Proceedings of the 15th ACM International Conference on Web Search and Data Mining, WSDM 2022.
2. **Gondara, L.**, Carvalho, R. S., & Wang, K. (2021, October). Training Differentially Private Neural Networks with Lottery Tickets. In European Symposium on Research in Computer Security (pp. 543-562), ESORICS 2021. Springer, Cham.
3. **Gondara, L.**, & Wang, K. (2020, August). Differentially Private Small Dataset Release Using Random Projections. In Conference on Uncertainty in Artificial Intelligence (pp. 639-648), UAI 2020. PMLR.
4. **Gondara, L.**, & Wang, K. (2020, September). Differentially Private Survival Function Estimation. In Machine Learning for Healthcare Conference (pp. 271-291), MLHC 2020. PMLR.
5. Carvalho, R. S., Wang, K., **Gondara, L.**, & Miao, C. (2020, August). Differentially Private Top-k Selection via Stability on Unknown Domain. In Conference on Uncertainty in Artificial Intelligence (pp. 1109-1118), UAI 2020. PMLR.

## Academic Service

Reviewer:
SDM 18' 21' 22', ICML 20' 21' 22', EMNLP 20' 21', EACL 21', NeurIPS 20' 21' , ACL 19' 20' 21', CHIL 20' 21' 22', ICLR 20' 21' 22', KDD 21' 22'

| | |
|---|---|
| Programming | Python, R, SAS |
| Homepage | https://lovedeepgondara.com/ |
| Google Scholar | https://goo.gl/tFuznH |
| GitHub | https://github.com/lgondara |