

# SON LUU

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## EDUCATION

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**The University of British Columbia**  
PhD student in Statistics  
Supervisor: Dr. Alexandre Bouchard-Côté.

*September 2023 - Present*

**Dalhousie University**  
MSc in Statistics  
Supervisor: Dr. Lam Si Tung Ho.

*September 2021 - July 2023*

**Ho Chi Minh City University of Science**  
BSc in Math.

*September 2017 - April 2021*

## PUBLICATIONS

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### PREPRINTS

**S. Luu**, E. Susko, LST. Ho. “Nonparametric Inference Framework for Time-dependent Epidemic Models.” Available at arXiv:2409.17968.

### PAPERS

**S. Luu**, Z. Xu, N. Surjanovic, M. Biron-Lattes, T. Campbell, A. Bouchard-Côté. “Is Gibbs sampling faster than Hamiltonian Monte Carlo on GLMs?” International Conference on Artificial Intelligence and Statistics, 2025.

## TALKS AND POSTERS

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### TALKS

- 2024 SFU/UBC Joint Statistics Seminar: Is Gibbs sampling faster than Hamiltonian Monte Carlo on GLMs?

### POSTERS

- 2025 AISTATS: Is Gibbs sampling faster than Hamiltonian Monte Carlo on GLMs?

## RESEARCH EXPERIENCE

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**Research Assistant**  
*The University of British Columbia, Department of Statistics*

January 2024 - Present

Research focused on Markov chain Monte Carlo methods with efficient coordinate-wise updates.

**Research Assistant**  
*Dalhousie University, Department of Mathematics and Statistics*

September 2021 - July 2023

Research focused on likelihood approximation and inference on stochastic compartmental models.

## AWARDS

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- Four-year Fellowship (FYF) For PhD students (UBC) 2023-2027  
Four-year Fellowship (4YF) Tuition Award (UBC).
- Faculty of Science Graduate Award (UBC). 2023-2027

- President's Academic Excellence Initiative PhD Award (UBC). 2023-2025
- "National Program for the Development of Mathematics" Scholarship, Vietnam Institute for Advanced Study in Mathematics. 2018-2020
- Merit Scholarship for Undergraduates, Ho Chi Minh City University of Science. 2017-2021

## TEACHING POSITIONS

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THE UNIVERSITY OF BRITISH COLUMBIA

*2023-Present*

**Teaching Assistant**, Department of Statistics

- Fall 2023: STAT 251 Elementary Statistics.
- Winter 2024: STAT 443 Time Series and Forecasting.
- Summer 2024: STAT 302 Introduction to Probability.
- Fall 2023: STAT 406 Methods for Statistical Learning.
- Winter 2025: STAT 443 Time Series and Forecasting - Head TA.
- Summer 2025: STAT 251 Elementary Statistics - Head TA.

DALHOUSIE UNIVERSITY

*2021-2023*

**Teaching Assistant**, Department of Mathematics and Statistics

- Fall 2021: STAT 2080 Statistical Methods for Data Analysis and Inference.
- Winter 2022: STAT 1060 Introductory Statistics for Science and Health Sciences.
- Summer 2021: STAT 2080 Statistical Methods for Data Analysis and Inference.
- Fall 2022: STAT 2060 Introduction to Probability and Statistics.
- Winter 2023: STAT 2060 Introduction to Probability and Statistics.