

Pascal Jutras-Dubé

+1 765-337-9282
pjutrasd@purdue.edu
Google Scholar GitHub

SUMMARY

I am a PhD student at Purdue University, advised by Ruqi Zhang. My research interests lie in machine learning. Currently, I am studying sampling and generative modelling via learned stochastic processes, like diffusions and jump processes.

EDUCATION

PhD	Computer Science	Purdue University	2023 – 2027	GPA 3.95/4
Msc	Computer Science	University of Montreal	2020 – 2022	
BSc	Mathematics and Computer Science	University of Montreal	2017 – 2020	

WORK EXPERIENCE

- Purdue University** Jan 2023 - Dec 2027
Teaching Assistant / Research Assistant
– CS578 statistical machine learning
West Lafayette, IN
- National Bank of Canada** June 2021 - Nov 2022
Research Intern
– Research in privacy-preserving data publishing
Montreal, QC

PUBLICATIONS

Jutras-Dubé, P., Zhang, J., Wang, Z., & Zhang, R. (2025). *One-Step Diffusion Samplers via Self-Distillation and Deterministic Flow*. arXiv preprint arXiv:2512.05251. [Under Review]

Punyamoorthy, P.*, **Jutras-Dubé, P.***, Zhang, R., Aggarwal, V., Conover, D., & Bera, A. (2025). *Dynamic Obstacle Avoidance through Uncertainty-Based Adaptive Planning with Diffusion*. International Conference on Intelligent Robots and Systems (IROS).

Jutras-Dubé, P., Pynadath, P., & Zhang, R. (2025). *Single-Step Consistent Diffusion Samplers*. arXiv preprint arXiv:2502.07579, Frontiers in Probabilistic Inference Workshop at ICLR.

Mesana, P., **Jutras-Dubé, P.**, Crowe, J., Vial, G., & Caporossi, G., Gambs, S. (2025). *Measuring privacy/utility tradeoffs of format-preserving strategies for data release*. Journal of Business Analytics.

Jutras-Dubé, P., Al-Khasawneh, M. B., Yang, Z., Bas, J., Bastin, F., & Cirillo, C. (2024). *Copula-based transferable models for synthetic population generation*. Transportation Research Part C.

Jutras-Dubé, P., Zhang, R., & Bera, A. (2024). *Adaptive planning with generative models under uncertainty*. International Conference on Intelligent Robots and Systems (IROS).

Mesana, P., **Jutras-Dubé, P.**, Crowe, J., Vial, G., & Caporossi, G. (2024). *Evaluating the risk of re-identification in data release strategies: An attacker-centric approach*. Hawaii International Conference on System Sciences (HICSS).

AWARDS AND HONORS

Scholarship for Graduate and Postdoctoral Studies	University of Montreal	2021
DIRO Excellence Scholarship (4 times)	University of Montreal	2020 – 2022
Fin-ML CREATE Graduate Scholarship	Fin-ML	2020
Dean’s List	University of Montreal	2017 – 2020
John-Low-Brebner Scholarship	University of Montreal	2016

ADDITIONAL INFORMATION

- Posters & Orals:** MMLS 2025 (Oral, top 8%), FPI-ICLR 2025, IROS 2024, SAE 2022 (Oral), HEC Optimization Days 2022 (Oral)
- Professional Service:** Served as reviewer for AISTATS 2026, ICLR 2026, 2025, ICRA 2025, RA-L 2026, 2025
- ML Stack:** JAX or Pytorch, Hydra, Weights & Biases, and more
- Languages:** French (native), English (proficient)
- Almost Surely:** I design fashion for the STEM community almost-surely.com