GEOFF PLEISS, CURRICULUM VITAE

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University of British Columbia
Department of Statistics
2207 Main Mall
Vancouver, BC, V6T 1Z4, Canada

Homepage: http://www.geoffpleiss.com
Email: geoff.pleiss@stat.ubc.ca
Phone: (604) 827-3091
Citizenship: Canada, USA

ACADEMIC POSITIONS AND EDUCATION

2023– UNIVERSITY OF BRITISH COLUMBIA (Vancouver, BC, Canada)
Assistant Professor, Department of Statistics (2023–)
Associate Member, Department of Computer Science (2023–)
Centre for Artificial Intelligence Decision-Making and Action (CAIDA)
Artificial Intelligence Methods for Scientific Impact (AIM-SI) Cluster

2023– VECTOR INSTITUTE (Toronto, ON, Canada)
CIFAR AI Chair (2024–)
Faculty Member (2023–)

2020–2023 COLUMBIA UNIVERSITY (New York, NY, USA)
Postdoctoral Research Scientist, Zuckerman Institute
Supervisor: John P. Cunningham

2015–2020 CORNELL UNIVERSITY (Ithaca, NY, USA)
PhD, Computer Science (2020)
MSc, Computer Science (2018)
Committee: Kilian Q. Weinberger (chair), Andrew Gordon Wilson, Karthik Sridharan
Dissertation: A Scalable and Flexible Framework for Gaussian Processes via Matrix-Vector Multiplication

2009–2013 OLIN COLLEGE OF ENGINEERING (Needham, MA, USA)
B.Sc., Engineering (2013)
Concentration: Computing with Applied Mathematics

OTHER RELEVANT EXPERIENCE

2019–2020 ASAPP, INC. (Ithaca, NY, USA)
Research Intern

2018 MICROSOFT, INC. (Redmond, WA, USA)
Research Intern

2013–2015 PIVOTAL INC. (New York, NY, USA)
Software Engineer

Selected Honours and Awards

2026	AISTATS Best Student Paper Award
2025	Blackwell-Rosenbluth Award
2024	Canada CIFAR AI Chair
2022	NeurIPS "I Can't Believe It's Not Better" Workshop – Most Surprising Result Award
2016–2017	National Science Foundation Graduate Research Fellowship (honorable mention)
2012	Barry M. Goldwater Scholarship (honorable mention)

Publications

* *denotes equal author contribution (shared first-authorship).*

Citation Statistics

All statistics are based on Google Scholar, with manual corrections for errors.

Total citations of all publications: 19,000+

Total citations of top-three most cited publications: 13,500+

Publications (including technical reports) with 100+ citations: 15

Publications (including technical reports) with 10+ citations: 35

Preprints Under Submission

[U1] Maksym Taranukhin, Shuyue Stella Li, Evangelos Milios, **Geoff Pleiss**, Yulia Tsvetkov, and Vered Shwartz. InfoGatherer: Principled Information Seeking via Evidence Retrieval and Strategic Questioning. *arXiv preprint arXiv:2603.05909*, 2026.

[U2] Mahdi Ebrahimi Kahou, Jesse Perla, and **Geoff Pleiss**. Solving Models of Economic Dynamics with Ridgeless Kernel Regressions. *arXiv preprint arXiv:2406.01898*, 2025.

Refereed Conference Publications

In machine learning, conferences are considered prestegious venues for publication. All venues listed here are highly selective (acceptance rate $20-30\%$*) and have peer-reviewing and refereeing processes similar to journals.*

[C1] Colin Doumont, Donney Fan, Natalie Maus, Jacob R. Gardner, Henry Moss, and **Geoff Pleiss**. We Still Don't Understand High-Dimensional Bayesian Optimization. In *Artificial Intelligence and Statistics*, 2026. [Best student paper].

[C2] Donney Fan and **Geoff Pleiss**. Adaptive Candidate Point Thompson Sampling for High-Dimensional Bayesian Optimization. In *Artificial Intelligence and Statistics*, 2026.

[C3] Tim G. Zhou, Evan Shelhamer, and **Geoff Pleiss**. Asymmetric Duos: Sidekicks Improve Uncertainty. In *Advances in Neural Information Processing Systems*, 2025. [Spotlight presentation—top 3.2% of submissions].

[C4] Niclas Dern, John P. Cunningham, and **Geoff Pleiss**. Theoretical Limitations of Ensembles in the Age of Overparameterization. In *International Conference on Machine Learning*, 2025. [Oral presentation—top 1% of submissions].

[C5] Natalie Maus, Kyurae Kim, **Geoff Pleiss**, David Eriksson, John P. Cunningham, and Jacob R. Gardner. Approximation-Aware Bayesian Optimization. In *Advances in Neural Information Processing Systems*, 2024. [SPOTLIGHT PRESENTATION—TOP 4% OF SUBMISSIONS].

[C6] Jonathan Wenger, Kaiwen Wu, Philipp Hennig, Jacob R. Gardner, **Geoff Pleiss**, and John P. Cunningham. Computation-Aware Gaussian Processes: Model Selection And Linear-Time Inference. In *Advances in Neural Information Processing Systems*, 2024.

[C7] Agustinus Kristiadi, Felix Strieth-Kalthoff, Marta Skreta, Pascal Poupart, Alán Aspuru-Guzik, and **Geoff Pleiss**. A Sober Look at LLMs for Material Discovery: Are They Actually Good for Bayesian Optimization Over Molecules? In *International Conference on Machine Learning*, 2024.

[C8] Jinsoo Yoo, Yunpeng Liu, Frank Wood, and **Geoff Pleiss**. Layerwise Proximal Replay: A Proximal Point Method for Online Continual Learning. In *International Conference on Machine Learning*, 2024.

[C9] Kaiwen Wu, Jonathan Wenger, Hadyn Jones, **Geoff Pleiss**, and Jacob R. Gardner. Large-Scale Gaussian Processes via Alternating Projection. In *Artificial Intelligence and Statistics*, 2024.

[C10] Andres Potapczynski*, Marc Anton Finzi*, **Geoff Pleiss**, and Andrew Gordon Wilson. CoLA: Exploiting Compositional Structure for Automatic and Efficient Numerical Linear Algebra. In *Advances in Neural Information Processing Systems*, 2023.

[C11] Alexandre Capone, Sandra Hirche, and **Geoff Pleiss**. Sharp Calibrated Gaussian Processes. In *Advances in Neural Information Processing Systems*, 2023.

[C12] Jonathan Wenger, **Geoff Pleiss**, Marvin Pförtner, Philipp Hennig, and John P. Cunningham. Posterior and Computational Uncertainty in Gaussian Processes. In *Advances in Neural Information Processing Systems*, 2022.

[C13] Taiga Abe*, E. Kelly Buchanan*, **Geoff Pleiss**, Richard Zemel, and John P. Cunningham. Deep Ensembles Work, But Are They Necessary? In *Advances in Neural Information Processing Systems*, 2022.

[C14] Luhuan Wu, **Geoff Pleiss**, and John P. Cunningham. Variational Nearest Neighbor Gaussian Processes. In *International Conference on Machine Learning*, 2022.

[C15] Jonathan Wenger, **Geoff Pleiss**, Philipp Hennig, John P. Cunningham, and Jacob R. Gardner. Preconditioning for Scalable Gaussian Process Hyperparameter Optimization. In *International Conference on Machine Learning*, 2022. [ORAL PRESENTATION—TOP 2% OF SUBMISSIONS].

[C16] **Geoff Pleiss** and John P. Cunningham. The Limitations of Large Width in Neural Networks: A Deep Gaussian Process Perspective. In *Advances in Neural Information Processing Systems*, 2021.

[C17] Anthony L. Caterini*, Gabriel Loaiza-Ganem*, **Geoff Pleiss**, and John P. Cunningham. Rectangular Flows for Manifold Learning. In *Advances in Neural Information Processing Systems*, 2021.

[C18] Andres Potapczynski*, Luhuan Wu*, Dan Biderman*, **Geoff Pleiss**, and John P. Cunningham. Bias-Free Scalable Gaussian Processes via Randomized Truncations. In *International Conference on Machine Learning*, 2021.

[C19] Luhuan Wu*, Andrew Miller*, Lauren Anderson, **Geoff Pleiss**, David Blei, and John P. Cunningham. Hierarchical Inducing Point Gaussian Process for Inter-domain Observations. In *Artificial Intelligence and Statistics*, 2021.

[C20] **Geoff Pleiss**, Martin Jankowiak, David Eriksson, Anil Damle, and Jacob R. Gardner. Fast Matrix Square Roots with Applications to Gaussian Processes and Bayesian Optimization. In *Advances in Neural Information Processing Systems*, 2020.

[C21] **Geoff Pleiss**, Tianyi Zhang, Ethan Elenberg, and Kilian Q. Weinberger. Identifying Mislabeled Data using the Area Under the Margin Ranking. In *Advances in Neural Information Processing Systems*, 2020.

[C22] Martin Jankowiak, **Geoff Pleiss**, and Jacob R. Gardner. Deep Sigma Point Processes. In *Uncertainty in Artificial Intelligence*, 2020.

[C23] Martin Jankowiak, **Geoff Pleiss**, and Jacob R. Gardner. Parametric Gaussian Process Regressors. In *International Conference on Machine Learning*, 2020.

[C24] Yurong You*, Yan Wang*, Wei-Lun Chao*, Divyansh Garg, **Geoff Pleiss**, Bharath Hariharan, Mark Campbell, and Kilian Q. Weinberger. Pseudo-Lidar++: Accurate Depth For 3D Object Detection In Autonomous Driving. In *International Conference on Learning Representations*, 2020.

[C25] Ke Wang*, **Geoff Pleiss***, Jacob R. Gardner, Stephen Tyree, Kilian Q. Weinberger, and Andrew Gordon Wilson. Exact Gaussian Processes On A Million Data Points. In *Advances in Neural Information Processing Systems*, 2019.

[C26] Jacob R. Gardner*, **Geoff Pleiss***, David Bindel, Kilian Q. Weinberger, and Andrew Gordon Wilson. GPyTorch: Blackbox Matrix-Matrix Gaussian Process Inference with GPU Acceleration. In *Advances in Neural Information Processing Systems*, 2018. [SPOTLIGHT PRESENTATION—TOP 4% OF SUBMISSIONS].

[C27] **Geoff Pleiss**, Jacob R. Gardner, Andrew Gordon Wilson, and Kilian Q. Weinberger. Constant Time Predictive Distributions for Gaussian Processes. In *International Conference on Machine Learning*, 2018.

[C28] Jacob R. Gardner, **Geoff Pleiss**, Ruihan Wu, Andrew Gordon Wilson, and Kilian Q. Weinberger. Product Kernel Interpolation for Scalable Gaussian Processes. In *Artificial Intelligence and Statistics*, 2018.

[C29] **Geoff Pleiss***, Manish Raghavan*, Felix Wu, Jon Kleinberg, and Kilian Q. Weinberger. On Fairness and Calibration. In *Advances in Neural Information Processing Systems*, 2017.

[C30] Chuan Guo*, **Geoff Pleiss***, Yu Sun*, and Kilian Q. Weinberger. On Calibration of Modern Neural Networks. In *International Conference on Machine Learning*, 2017.

[C31] Paul Upchurch*, Jacob R. Gardner*, **Geoff Pleiss**, Kavita Bala, Robert Pless, Noah Snavely, and Kilian Q. Weinberger. Deep Feature Interpolation For Image Content Changes. In *Computer Vision and Pattern Recognition*, 2017.

[C32] Gao Huang*, Yixuan Li*, **Geoff Pleiss**, Zhuang Liu, John E. Hopcroft, and Kilian Q. Weinberger. Snapshot Ensembles: Train 1, Get M for Free. In *International Conference on Learning Representations*, 2017.

Journal Publications

[J1] Blakesley Burkhart, Thavisha E. Dharmawardena, Shmuel Bialy, Thomas J. Haworth, Fernando Cruz Aguirre, Young-Soo Jo, B.G. Andersson, Haeun Chung, Jerry Edelstein, Isabelle Grenier, Erika T. Hamden, Wonyong Han, Keri Hoadley, Min-Young Lee, Kyoung-Wook Min, Thomas Müller, Kate Pattle, J. E. G. Peek, **Geoff Pleiss**, David Schiminovich, Kwang-Il Seon, Andrew Gordon Wilson, and Catherine Zucker. A Nearby Dark Molecular Cloud in the Local Bubble Revealed via H_2 Fluorescence. *Nature Astronomy*, pages 1–9, 2025.

[J2] Taiga Abe, E. Kelly Buchanan, **Geoff Pleiss**, and John P. Cunningham. Pathologies of Predictive Diversity in Deep Ensembles. *Transactions on Machine Learning Research*, 2024. [FEATURED PAPER—TOP 2% OF SUBMISSIONS].

[J3] Jordan Venderley, Michael Matty, Krishnanand Mallayya, Matthew Krogstad, Jacob Ruff, **Geoff Pleiss**, Varsha Kishore, David Mandrus, Daniel Phelan, Lekhanath Poudel, Andrew Gordon Wilson, Kilian Q. Weinberger, Puspa Upreti, Michael R. Norman, Stephan Rosenkranz, Ray Osborn, and Eun-Ah Kim. Harnessing Interpretable and Unsupervised Machine Learning to Address Big Data from Modern X-Ray Diffraction. *Proceedings of the National Academy of Sciences*, 119(24), 2022.

[J4] Gao Huang*, Zhuang Liu*, **Geoff Pleiss**, Laurens van der Maaten, and Kilian Q. Weinberger. Convolutional Networks with Dense Connectivity. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 2019.

[J5] James Knighton, **Geoff Pleiss**, Elizabeth Carter, Steven Lyon, M. Todd Walter, and Scott Steinschneider. Potential Predictability of Regional Precipitation and Discharge Extremes Using Synoptic-Scale Climate Information via Machine Learning: An Evaluation for the Eastern Continental United States. *Journal of Hydrometeorology*, 20(5):883–900, 2019.

Book Chapters

[B1] Alexandre Bouchard-Côté, Trevor Campbell, **Geoff Pleiss**, and Nikola Surjanovic. MCMC-driven learning. In *Handbook of Markov Chain Monte Carlo*, pages 620–663. CRC Press, 2026.

Technical Reports and Workshop Proceedings

[R1] Tim G. Zhou, Anthony Fuller, **Geoff Pleiss**, and Evan Shelhamer. Changing Modalities by Cross-Band Transfer, Addition, and Peeking. In *ICLR Workshop on Machine Learning for Remote Sensing*, 2026.

[R2] Tristan Cinquin, **Geoff Pleiss**, and Agustinus Kristiadi. Limits of PRM-Guided Tree Search for Mathematical Reasoning with LLMs. In *NeurIPS Workshop on Mathematical Reasoning and AI*, 2025.

[R3] Tristan Cinquin, Stanley Lo, Felix Strieth-Kalthoff, Alán Aspuru-Guzik, **Geoff Pleiss**, Robert Balmer, Tim G. J. Rudner, Vincent Fortuin, and Agustinus Kristiadi. What Actually Matters for Materials Discovery: Pitfalls and Recommendations in Bayesian Optimization. In *Symposium on Advances in Approximate Bayesian Inference, Workshop Track*, 2025.

[R4] Jason Yoo, Yingchen He, Saeid Naderiparizi, Dylan Green, Gido M. van de Ven, **Geoff Pleiss**, and Frank Wood. Lifelong Learning of Video Diffusion Models From a Single Video Stream. *arXiv preprint arXiv:2406.04814*, 2025.

[R5] Agustinus Kristiadi, Felix Strieth-Kalthoff, Sriram Ganapathi Subramanian, Vincent Fortuin, Pascal Poupart, and **Geoff Pleiss**. How Useful is Intermittent, Asynchronous Expert Feedback for Bayesian Optimization? In *Symposium on Advances in Approximate Bayesian Inference, Workshop Track*, 2024.

[R6] E. Kelly Buchanan, **Geoff Pleiss**, Yixin Wang, and John P. Cunningham. The Effects of Ensembling on Long-Tailed Data. In *NeurIPS "Heavy Tails in ML: Structure, Stability, Dynamics" Workshop*, 2023.

[R7] Taiga Abe*, E. Kelly Buchanan*, **Geoff Pleiss**, and John P. Cunningham. The Best Deep Ensembles Sacrifice Predictive Diversity. In *NeurIPS "I Can't Believe It's Not Better!" Workshop*, 2022. [ORAL PRESENTATION].

[R8] Martin Jankowiak and **Geoff Pleiss**. Scalable Cross Validation Losses for Gaussian Process Models. *arXiv preprint arXiv:2105.11535*, 2021.

[R9] Elliott Gordon-Rodriguez, Gabriel Loaiza-Ganem, **Geoff Pleiss**, and John P. Cunningham. Uses and Abuses of the Cross-Entropy Loss: Case Studies in Modern Deep Learning. In *NeurIPS "I Can't Believe It's Not Better!" Workshop*, 2020. [ORAL PRESENTATION].

[R10] **Geoff Pleiss***, Danlu Chen*, Gao Huang, Tongcheng Li, Laurens van der Maaten, and Kilian Q. Weinberger. Memory-Efficient Implementation of DenseNets. *arXiv preprint arXiv:1707.06990*, 2017.

Selected Open Source

Co-Founder and Maintainer

2018–	GPyTorch https://gpytorch.ai
2022–	LinearOperator https://linear-operator.readthedocs.io
2023–	CoLA (Compositional Linear Algebra) https://cola.readthedocs.io/

Patents

[P1] Tianyi Zhang, Sam Altschul, Kilian Weinberger, Michael Griffiths, and **Geoff Pleiss**. Trend detection via machine learning models, September 2023. US Patent #11,763,230.

Grants

Transferable Knowledge Discovery in Self-Driving Labs with AI-Guided High-Dimensional Bayesian Optimization

2026	Acceleration Consortium Scale-Up SDL 2025 Pre-Competitive Research Program (PI, with co-PI Alán Aspuru-Guzik)

Illuminating the Chemical Universe: Can Machine Learning be Used to Fill Critical Knowledge gaps in Astrochemistry?

2025	New Frontiers in Research Fund—Exploration (co-PI, with Ilsa Cooke)

Solving Adversarial Examples with DP-guided Diffusion Models

2025	UBC Data Science Institute Postdoctoral Matching Fund (co-PI, with Mathias Lecuyer)
2025	CIFAR AI Catalyst Grant (co-PI, with Mathias Lecuyer and Nidhi Hegde)

Probabilistic Models for Complex and Large-Scale Scientific Discovery

2024	NSERC Discovery (PI)
2024	NSERC Early Career Supplement (PI)

Invited Talks

Beyond Heuristics and Calibration: Quantifying Uncertainty via Downstream Decision Making

June 2026	IVADO Workshop on Statistical Foundation of AI: Uncertainty in AI (Montreal, QC, Canada)

We Still Don't Understand High-Dimensional Bayesian Optimization

May 2026	AISTATS Workshop on Optimisation and Post-Bayesian Inference in Machine Learning (Tangier, Morocco)
Mar. 2026	Adaptive Experimentation Workshop, Meta Inc. (New York, NY, USA)

Decision-Aware Models for Adaptive Experimentation and Bayesian Optimization

Feb. 2026	CANSSI Ontario Statistics Seminar, Western University (London, ON, Canada)
Oct. 2025	Systems, Information, Learning, and Optimization Seminar, University of Wisconsin (Madison, WI, USA)

Lessons Learned from Developing and Maintaining Open Source Software

Mar. 2025	Joint Statistics Seminar, University of British Columbia / Simon Fraser University (Vancouver, BC, Canada)

Foundation Models for Science: Combining LLMs and Black-Box Optimization for Materials Discovery

Nov. 2024	SLAS Data Science and AI Symposium (Boston, MA, USA)
June 2024	Adaptive Experimentation Workshop, Meta Inc. (New York, NY, USA)
May 2024	AI In Medicine Meeting, Karolinska Institute (Stockholm, Sweden)

Ensembles in the Age of Overparameterization: Promises and Pathologies

Feb. 2026	Machine Learning Seminar Series, University of Minnesota (Minneapolis, MN, USA)
Feb. 2025	Centre for Advancing Responsible and Ethical Artificial Intelligence (CARE-AI) Seminar, Guelph University (Virtual)
Oct. 2024	Centre for Artificial Intelligence Decision-Making and Action (CAIDA) Seminar, University of British Columbia (Vancouver, BC, Canada)
June 2024	Statistical Society of Canada Annual Meeting (St. John's, NL, Canada)

Troubling Trajectories for Uncertainty Quantification and Decision Making with Neural Networks

April 2024	Academic Seminar, Two Sigma Investments LP (New York, NY, USA)
Dec. 2023	Vector Distinguished Talk Series, Vector Institute (Toronto, ON, Canada)

Bridging The Gap Between Deep Learning and Probabilistic Modeling

Spring 2022	Various universities

Understanding Neural Networks through Gaussian Processes, and Vice Versa

Oct. 2021	Artificial Intelligence Seminar, University College London (Virtual)

GPyTorch: A Scalable and Flexible Framework for Gaussian Processes via Matrix-Vector Multiplication

Dec. 2020	Machine Learning for Nuclear Data Workshop (Virtual)
May 2020	Columbia University (Virtual)

From $N = 1{,}000$ to $N = 1{,}000{,}000$: Scaling Gaussian Process Inference with Matrix Multiplication and GPU Acceleration

Nov. 2019	Computer Science Colloquium, Cornell University (Ithaca, NY, USA)
May 2019	Symposium on Bayesian Optimization, Uber AI (San Francisco, CA, USA)

Contributed Talks

July 2025	*Theoretical Limitations of Ensembles in the Age of Overparameterization* International Conference on Machine Learning (Vancouver, BC, Canada)
Aug. 2024	*Task-Aware Scalable Gaussian Processes* Joint Statistical Meeting (Portland, OR, USA)
Feb. 2024	*Blurring the Distinction Between Data Collection and Computation in Gaussian Processes* SIAM UQ Conference (Trieste, Italy)
Dec. 2018	*GPyTorch: Blackbox Matrix-Matrix Gaussian Process Inference with GPU Acceleration* Neural Information Processing Systems (Montreal, QC, Canada)
July 2018	*Constant Time Predictive Distributions for Gaussian Processes* International Conference on Machine Learning (Stockholm, Sweden)
Aug. 2017	*On Calibration of Modern Neural Networks* International Conference on Machine Learning (Sydney, Australia)

Invited Lectures

May 2024	Swedish NDPIA "AI Applications in Infection Biology" Course (Rånäs, Sweden) *Machine Learning Fundamentals I and II*

Teaching

University of British Columbia

Spring 2026	DSCI 100 — Introduction to Data Science
Fall 2025	STAT 406 — Methods for Statistical Learning
Spring 2025	STAT 547U — Topics in Deep Learning Theory
Fall 2024	STAT 406 — Methods for Statistical Learning
Fall 2023	STAT 520P — Bayesian Optimization

Advising and Supervision

Postdoc Supervision

2025–	Dr. Haley Scolati (Postdoc), Department of Chemistry, UBC (co. Ilsa Cooke)

PhD Student/Candidate Supervision

2025–	Logan Yates (PhD), Department of Statistics, UBC
2024–	Donney Fan (PhD), Department of Computer Science, UBC (co. Mark Schmidt)

MSc Student Supervision

2025–2026	Tim Zhou (MSc), Department of Computer Science, UBC (co. Evan Shelhamer)
2025–2026	Zachary Lau (MSc), Department of Statistics, UBC
2024–2025	Joey Hotz (MSc), Department of Statistics, UBC

Undergraduate Student Supervision

2025	Nathan Cantafio (BSc), UBC
2024–2025	Timothy Zhou (BSc), UBC
2024	Tommy Xu (BSc), UBC

Research Intern Supervision

2026	Andrew Roberts, Vector Institute
2025	Tristan Cinquin, Vector Institute
2024	Colin Doumont, Vector Institute
2024	Niclas Dern, Vector Institute
2024	Felix Fu, Vector Institute

Research Committee Membership (Excluding Direct Supervision)

2026	Jason Yoo (PhD), Department of Computer Science, UBC
2025–	Puneesh Deora (PhD), Department of Electrical and Computer Engineering, UBC
2025–	Naitong Chen (PhD), Department of Statistics, UBC
2024–2026	Nikola Surajonovic (PhD), Department of Statistics, UBC

External Research Committee Membership

2024	Daniel Molinuevo, EPFL (Master's Thesis Expert Examiner)
2024	Paul E. Chang, Aalto University (Doctoral Thesis Pre-Examiner)

PROFESSIONAL SERVICE

Area Chair / Action Editor

International Conference on Machine Learning (2022–2026)

International Conference on Learning Representations (2024–2026)

International Joint Conference on Artificial Intelligence (2023)

Neural Information Processing Systems (2022–2025)

Transactions on Machine Learning Research (2024–2026)

Organizing Committee Member

UBC AIM-SI Workshop on AI-Guided Scientific Discovery (2025)

ICML Workshop on Championing Open-source DEvelopment in Machine Learning (CODEML) (2025)

UBC Seminar on Equity, Diversity, and Inclusion in Statistics (2024–2026)

NeurIPS Workshop on Gaussian Processes, Spatiotemporal Modeling, and Decision-Making Systems (2022)

Virtual Seminar on Gaussian Processes, Spatiotemporal Modeling, and Decision-Making Systems (2022–2023)

Panelist

Uncertainty Estimation in LLM-Generated Content: ICML Workshop (2025)

Scientific Software Development Panel: Dagstuhl Seminar on Probabilistic Numerical Methods (2021)

Grant Reviewer

New Frontiers in Research Fund (NFRF) Exploration Grants (2026)

Journal Reviewer

Bernoulli (2022)

Journal of Machine Learning Research (2019–2022)

SIAM/ASA Journal on Uncertainty Quantification (2024)

SIAM Journal on Scientific Computing (2025)

Transactions on Machine Learning Research (2022–2023)

Transactions on Pattern Analysis and Machine Intelligence (2020–2021)

Conference Reviewer

AAAI Conference on Artificial Intelligence (2017)

Artificial Intelligence and Statistics (2019–2026)

Bayesian Young Statisticians Meeting (2026)

International Conference on Learning Representations (2022)

International Conference on Machine Learning (2019–2021)

Neural Information Processing Systems (2018–2021)

Uncertainty in Artificial Intelligence (2018)

Workshop Reviewer

NeurIPS Workshop on Bayesian Decision-making and Uncertainty (2024–2025)

NeurIPS "I Can't Believe It's Not Better" Workshop (2023)

NeurIPS "Your Model is Wrong: Robustness and Misspecification in Probabilistic Modeling" Workshop (2021)

Other

NeurIPS—workshop proposal reviewer (2024–2025)

PROFESSIONAL MEMBERSHIPS

Institute of Mathematical Statistics (2025–2026)

International Society for Bayesian Analysis (2026–)

Media Appearances

May 2024	Vector Institute Research Blog: The known unknowns: Vector researcher Geoff Pleiss digs deep into uncertainty to make ML models more accurate
May 2023	"The Ensembles Podcast"

Outreach

Fall 2020	LatinX in AI NeurIPS mentorship program
Spring 2018	Cornell "Expand Your Horizons" (STEM workshop for middle school girls)
Spring 2017	Cornell "GRASSHOPR" (After-school CS class at local middle school)
Spring 2016	Cornell "Expand Your Horizons"
Spring 2016	"Code4Kids" (After-school CS class at local elementary school)