Sky (Kehan) Sheng

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Selected Publications

2026 **"The Guardian is credible but leans towards opinion": Shadow mechanisms in GPT-5's web search and the politics of credibility**
Terzis, P., **Sheng, K.**, Sax, M., van Drunen, M.,Sokol-Snyder, R.,de León, E.,Biega, A.
Submitted to ACM Conference on Fairness, Accountability, and Transparency (ACM FAccT)

2025 **The erasure of intensive livestock farming in text-to-image generative AI**
Sheng, K., Tuyttens, F.A.M., von Keyserlingk, M.A.G.
ACM FAccT, oral presentation. https://doi.org/10.48550/arXiv.2502.19771
Note: This work was also presented as poster + lightning talk at Vancouver Vision & Learning Workshop ICML 2025

2025 **Redefining Lameness Assessment: Constructing Lameness Hierarchy using Crowd-Sourced Data**
Sheng, K., Foris, B., von Keyserlingk, M.A.G., Timbers, T.A., Cabrera, V., Weary, D.M.
Computers and Electronics in Agriculture. https://doi.org/10.1016/j.compag.2025.110206

2025 **AI for One Welfare: the role of animal welfare scientists in developing valid and ethical AI-based welfare assessment tools**
Foris, B., **Sheng, K.**, Dürnberger, C., Oczak, M., Rault, J.L.
Frontiers in Veterinary Science, 12. https://doi.org/10.3389/fvets.2025.1645901

2024 **Redefining dominance calculation: Increased competition flattens the dominance hierarchy in dairy cows**
Sheng, K., Foris, B., Krahn, J., Weary, D.M., von Keyserlingk, M.A.G.
Journal of Dairy Science, 107(9): 7286-7298. https://doi.org/10.3168/jds.2023-24587

2023 **Crowd sourcing remote comparative lameness assessments for dairy cattle**
Sheng, K., Foris, B., von Keyserlingk, M.A.G., Gardenier, J., Clark, C., Weary, D.M.
Journal of Dairy Science, 106(8): 5715-5722. https://doi.org/10.3168/jds.2022-22737

Selected Research Funding & Awards
Total research funding secured: $74,975 CAD. Total scholarship awarded: $45,756 CAD

2025 ACM Conference on Fairness, Accountability, and Transparency (FAccT) Travel Grant ($1308.2 USD)

2022 EAAP Early Career Researcher Award – **First Place** in Oral Presentation

Selected Teaching Experience

2026   **Instructor, Python Vibe Coding Tutorial: AI Bias in Text-to-Image Generative AI**
UBC Extended Learning Course: Programming in Python for Data Science

2025   **Lecturer, UBC Master of Data Science Program**
DSCI 522: Reproducible Data Science Workflows; DSCI 571: Supervised Machine Learning. Designed workshops on responsible AI use and cloud computing.

2022 – 2025   **Instructor, Data Science Summer Camps**
Designed and taught camps covering AI-assisted programming, statistical inference, machine learning, and AI ethics for high school students.

2024 – 2025   **Teaching Assistant, UBC Master of Data Science Program**
DSCI 525 (Web & Cloud Computing), DSCI 553 (Statistical Inference II), DSCI 524 (Collaborative Software Development), DSCI 522 (Data Science Workflows), DSCI 552 (Statistical Inference I).

Education

2020/9 – Present   **University of British Columbia** – Vancouver, BC, Canada
PhD in Applied Animal Biology X Data Science · GPA: 91%
Research Collaborator at TrustML

2017/9 – 2020/5   **University of Wisconsin - Madison** – Madison, WI, USA
BS in Animal Science, Minor in Computer Science · GPA: 3.97/4.0