Research scientist

Avery Thompson

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Research interests

Human-centred machine learning, trustworthy evaluation, and tools that help scientists collaborate across disciplinary and institutional boundaries.

Research experience

Research scientist 2023–present
Northstar Biomedical Lab

- Developed an auditable model-evaluation toolkit adopted by four projects.
- Coordinated data documentation and reproducibility reviews for the lab.

Doctoral researcher 2018–2023
Westbridge Institute of Technology

- Studied how domain experts interpret uncertainty in predictive systems.
- Released tutorials and small benchmark datasets for graduate classes.

Education

PhD, Computer Science 2023
Westbridge Institute of Technology

BEng, Electrical Engineering 2018
Eastfield University

Publications and presentations

- Thompson, A. (2025). Evaluation cards for collaborative ML. *Journal of Open Methods*, 6(2), 20–37.
- Invited talk, “Making model limitations actionable,” Data Practice Forum, 2024.

Teaching, awards, and technical skills

Machine Learning for Scientists, teaching fellow 2021–2022
Open Research Fellowship 2020
Python, R, SQL, PyTorch, Git, Linux, technical writing