

PHILIP LIPPMANN

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Leveraging the knowledge embedded in data to power intelligent systems.

Work Experience

Microsoft Azure AI Jun. 2025 – present

Research Scientist Intern Remote

- Built a multi-agent synthetic data generation pipeline to produce high-fidelity healthcare data for Dragon Copilot while eliminating PII/PHI exposure and maintaining strict privacy compliance.
- Conducted post-training on OpenAI's GPT family of models for healthcare-specific applications, improving model performance and clinical relevance.

Amazon Aug. 2020 – Dec. 2020

Software Development Engineer Intern Germany

- Led the design and implementation of Amazon Telescope, a React and Python-based internal tool, improving issue tracking efficiency across automation tools and enhancing cross-team collaboration.

MIT/Delft Driverless Jul. 2019 – Aug. 2020

Software Engineer The Netherlands

- Utilized GNNs to define motion planning boundaries based on cone positions, improving track limit detection.
- Placed 3rd at Formula Student Germany, the largest student engineering competition in the world.

Education

Delft University of Technology Feb. 2022 – present

PhD in Computer Science The Netherlands

- Analyzed and enhanced reasoning of LLMs, enabling advanced planning in agentic systems.
- Created targeted synthetic data methods to improve model reliability during post-training, minimizing reliance on manual annotations through robust synthetic data generation.

Delft University of Technology Sep. 2018 – Jan. 2022

MSc in Mechanical Engineering Grade: 7.0 The Netherlands

University of Warwick Sep. 2015 – Jun. 2018

BEng in Mechanical Engineering Grade: 2:1 (Honours) United Kingdom

Publications & Research Activities

Selected Publications

- [COLM 2025] *Style over Substance: Distilled Language Models Reason Via Stylistic Replication*, 2025. P. Lippmann, J. Yang [arXiv:2504.01738](https://arxiv.org/abs/2504.01738)
- [EMNLP 2025] *Zero-Shot Contextual Embeddings via Offline Synthetic Corpus Generation*, 2025. P. Lippmann, J. Yang [arXiv:2506.23662](https://arxiv.org/abs/2506.23662)
- [COLING 2025 (Oral)] *Context-Informed Machine Translation of Manga using Multimodal Large Language Models*, 2025. P. Lippmann, K. Skublicki, J. Tanner, S. Ishiwatari, J. Yang [arXiv:2411.02589](https://arxiv.org/abs/2411.02589)
- [LanGame @ NeurIPS 2024] *Positive Experience Reflection for Agents in Interactive Text Environments*, 2024. P. Lippmann, M.T.J. Spaan, J. Yang [arXiv:2411.02223](https://arxiv.org/abs/2411.02223)

Full list of publications: [Google Scholar](#)

Awards

- Google Cloud Research Grant (\$1000, 2024)
- Oracle Cloud Research Grant Award (\$50000, 2023)
- Warwick Undergraduate Research Scholarship (£2500, 2018)

Open Source Contributions

- [Atropos](#): Language Model Reinforcement Learning Environments Framework
- [Biomni](#): General-purpose Biomedical AI Agent

Technical Skills

Coding: Python, PyTorch, JAX, React, \LaTeX | **Cloud & Tools:** Git, Azure, GCP, Weights & Biases