

PHILIP LIPPmann

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Leveraging the knowledge embedded in data to power intelligent systems.

Work Experience

Microsoft Azure AI <i>Research Scientist Intern</i>	Jun. 2025 – present Remote
<ul style="list-style-type: none">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 <i>Software Development Engineer Intern</i>	Aug. 2020 – Dec. 2020 Germany
<ul style="list-style-type: none">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 <i>Software Engineer</i>	Jul. 2019 – Aug. 2020 The Netherlands
<ul style="list-style-type: none">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 <i>PhD in Computer Science</i>	Feb. 2022 – present The Netherlands
<ul style="list-style-type: none">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 <i>MSc in Mechanical Engineering</i> Grade: 7.0	Sep. 2018 – Jan. 2022 The Netherlands

University of Warwick

<i>BEng in Mechanical Engineering</i> Grade: 2:1 (Honours)	Sep. 2015 – Jun. 2018 United Kingdom
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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)
- [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)
- [COLING 2025 (Oral)] *Context-Informed Machine Translation of Manga using Multimodal Large Language Models*, 2024. P. Lippmann, K. Skublicki, J. Tanner, S. Ishiwatari, J. Yang [arXiv:2411.02589](https://arxiv.org/abs/2411.02589)
- [ORIGen @ COLM 2025] *Illuminating Blind Spots of Language Models with Targeted Agent-in-the-Loop Synthetic Data*, 2024. P. Lippmann, M.T.J. Spaan, J. Yang [arXiv:2403.17860](https://arxiv.org/abs/2403.17860)

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, L^AT_EX | **Cloud & Tools:** Git, Azure, GCP, Weights & Biases