Tyler J Reinmund

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EDUCATION

University of Oxford	Oxford, UK
DPhil in Computer Science, Human-Centred Computing	2021–Present
University College London	London, UK
MSc in Science, Technology, and Society, Award: Distinction	2020-2021
University of Oxford	Oxford, UK
Master of Business Administration, Award: Distinction	2019-2020
Rensselaer Polytechnic Institute	Troy, US
B.S. in Biomedical Engineering	2012–2016

Publications

- [1] E. Panagiotaki, **T. Reinmund**, S. Mouton, L. Pitt, A. S. Shanthini, W. Tubby, M. Towlson, S. Sze, B. Liu, C. Prahacs, D. De Martini, and L. Kunze, "Robotcycle: Assessing cycling safety in urban environments", in 2024 IEEE Intelligent Vehicles Symposium (IV), 2024, pp. 357–363.
- [2] **T. Reinmund**, L. Kunze, and M. Jirotka, "Transitioning Towards a Proactive Practice: A Longitudinal Field Study on the Implementation of a ML System in Adult Social Care", in *Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems*, 2024.
- [3] **T. Reinmund**, P. Salvini, L. Kunze, M. Jirotka, and A. F. T. Winfield, "Variable Autonomy Through Responsible Robotics: Design Guidelines and Research Agenda", *ACM Transactions on Human-Robot Interaction*, 2024.
- [4] **T. Reinmund**, "Designing Data Science Software for Social Care Organisations", in *Extended Abstracts* of the 2023 CHI Conference on Human Factors in Computing Systems, 2023.

RESEARCH EXPERIENCE

PhD Associate at UK-based Consultancy

October 2021-Present

Led co-design workshops on machine learning implementation best practices in health and social care organizations. Conducted field study on use of predictive risk models for preventative care program. Company name redacted to preserve anonymity of research participants.

Research Assistant at University of Oxford

May 2022–August 2022

Curated repository of methods for practitioners to apply value sensitive design and responsible innovation principles in product development.

Research Assistant at University of Oxford

January 2022–May 2022

Conducted literature review on approaches to dynamically adjust autonomy in robotic agents. Developed variable autonomy framework based on responsible innovation.

Research Assistant at Rhodes AI Lab

January 2020–June 2020

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Collaborated with UN World Food Program to identify technology interventions for food aid processes. Conducted interviews with researchers in development economics and computer science to inform interventions. Developed implementation approach for satellite image analysis application to detect informal settlements in urban environments.

SKILLS

- Qualitative Methods: Co-design, Participant Observation, Semi-structured Interviews, Literature Review
- Quantitative Methods: Survey Design
- Programming: R, Python

Professional Experience

Senior Consultant at Deloitte

September 2018–September 2019

Led, managed, and advised global cross-functional teams through cyber security software implementations. Initiated and led development and facilitation of firm-sponsored training for colleagues.

Consultant at Deloitte

September 2016–September 2018

Collaborated with global teams to create marketing, methodology, and engagement accelerator content for 3 expanding service offerings. Gained expertise across critical areas of consulting, including presentation story line creation, professional services proposal responses, and project management skills.

Professional Service

Committees and Groups

• Lead, Responsible Technology Institute Student Network

2020-Present

• Chair, Oxford Business Network for Technology

2019-2020

Peer Review

• Associate Chair, ACM Conference on Human Factors in Computing Systems

2025

• Ethics Reviewer, Conference on Neural Information Processing Systems

2024

TEACHING

Teaching Assistant at University of Oxford

Hilary Term 2023

Ethical Computing in Practice

Teaching Assistant at University of Oxford

Hilary Term 2022

Computers in Society

SCHOLARSHIPS AND AWARDS

• Full Scholarship for DPhil in Computer Science	2021 - 2025
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• Saïd Business School, Top 5% of Cohort 2019–2020

• Saïd Business School, Dean's List 2019–2020

• Rensselaer Polytechnic Institute Leadership Award 2012–2016

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