

Marek Masiak

+44-7493-083177 | marek.masiak@linacre.ox.ac.uk | [Google Scholar](#) | [linkedin.com/in/marekmasiak](https://www.linkedin.com/in/marekmasiak)

EDUCATION

University of Oxford , Fundamentals of AI	PhD , 2025 – 2029
University of Oxford , Advanced Computer Science, Grade: <i>Distinction</i>	MSc , 2023 – 2025
University College London , Computer Science, Grade: <i>First-class honours</i>	BSc , 2020 – 2023

RESEARCH AND WORK EXPERIENCE

Research Assistant <i>University of Oxford, Department of Computer Science</i> - Developed a GNN surrogate model for an Active Learning pipeline for epidemic spread modelling - Supported a study of child nutrition in Sudan by optimising simulations to run on an HPC cluster	Oct. 2024 – Oct. 2025 <i>Oxford, UK</i>
Visiting Student / Research Intern <i>University of Cambridge, Department of Applied Mathematics and Theoretical Physics</i> - Investigated Inverse Reinforcement Learning, RL, and LLMs in the van der Schaar Lab - Implemented a neural system for an Imitation Learning problem	Feb. 2024 – Mar. 2024 <i>Cambridge, UK</i>
TechOps Engineer Intern <i>Jump Trading</i>	Jul. 2023 – Sep. 2023 <i>London, UK</i>
Teaching Assistant <i>UCL (University College London), Department of Computer Science</i> - Conducted tutorials for 60 students taking the Algorithms module - Tutored 30 students in imperative and functional programming for the Principles of Programming module	Sep. 2022 – Mar. 2023 <i>London, UK</i>
Summer Research Intern <i>UCL (University College London), Department of Computer Science</i> - Conducted research into Large Language Models under the supervision of Prof. Anthony Hunter - Created a semantic knowledge graph based on implicit knowledge from GPT-3 generated text	Jul. 2022 – Sep. 2022 <i>London, UK</i>
Software Developer <i>Interdisciplinary Centre for Mathematical and Computational Modelling, University of Warsaw</i> - Created a web platform for tracking resource usage and submission of computing grants - Built a web-based access retrieval tool for over 200 users	Feb. 2020 – Sep. 2020 <i>Warsaw, Poland</i>
Summer Research Intern <i>Interdisciplinary Centre for Mathematical and Computational Modelling, University of Warsaw</i> - Researched computational optimizations of experimental device for linear algebra algorithms - Implemented an algorithm 9 times faster at multiplying 1000x1000 matrix on 8 cores than the benchmark	Jul. 2019 – Feb. 2020 <i>Warsaw, Poland</i>

AWARDS

Mechanistic Interpretability Workshop at NeurIPS : Spotlight Paper <i>OpenReview link (hyperlink)</i>	Dec. 2025
AACL : Area Chair Award <i>Announcement link (hyperlink)</i>	Nov. 2023
AfricaNLP Workshop at ICLR : Best Paper Award <i>Announcement link (hyperlink)</i>	May 2023
Asia Student Supercomputer Challenge : First Prize Award, Innovation Award <i>Announcement link (hyperlink)</i>	May 2021

TECHNICAL SKILLS

Frameworks: PyTorch, PyTorch Geometric, torchvision, transformers, NumPy, Pandas, MPI, Django, FastAPI, React
Tools: Slurm, Singularity, Hydra, Git, Docker, Firebase, Jenkins
Languages: Python, C, Java, JavaScript, Haskell