TOMMY ROCHUSSEN

Email ◇ Website

EDUCATION

Helmholtz AI/Technical University of Munich *Oct. 2024 - Present*
Doctor of Natural Sciences (Dr. Rer. Nat.), Probabilistic Machine Learning
Supervisor: Dr. Vincent Fortuin
Mentor: Dr. Mark van der Wilk

University of Cambridge *Oct. 2022 - Jun. 2023*
Master of Engineering (M.Eng.), Information and Computer Engineering
Research Project: Amortised Inference in Bayesian Neural Networks
Project Supervisors: Matthew Ashman, Dr. Adrian Weller
Project grade: I (70%+)
Highlights: 90% in Computational Statistics and Machine Learning, 72% in Probabilistic Machine Learning
Overall grade: Merit

University of Cambridge *Oct. 2019 - Jun. 2023*
Bachelor of Arts (B.A.), Engineering
Highlights: 80% in Inference extended coursework
Overall grade: II.i

Tonbridge School *Sep. 2014 - Jul. 2019*
A-Levels: 4A*
GCSEs: 13A*
Mathematical Challenges: 3x Gold in IMC, Gold in SMC, Commendation in BMO

PROFESSIONAL EXPERIENCE

Motorway - Machine Learning Researcher *Apr. 2024 - Sep. 2024*
Bayesian optimisation and sparse (orthogonal) variational GPs for vehicle pricing

Algomo - Data Science Intern *Aug. 2021 - Sep. 2021*
BERT-based models for multilingual customer service chatbots

TEACHING EXPERIENCE

Technical University of Munich - Supervisor *Oct. 2024 - Present*
Deep Learning Seminar

Blue Tutors - Tutor *Sep. 2023 - Present*
Physics and maths for GCSE and A-Level
Oxbridge interview preparation

U2 Tuition - Tutor *Sep. 2023 - Present*
Physics and maths for GCSE and A-Level
Oxbridge interview preparation

Oxbridge Tutor Company - Tutor *Sep. 2023 - Present*
Physics and maths for GCSE and A-Level
Oxbridge interview preparation

PUBLICATIONS

Structured Partial Stochasticity in Bayesian Neural Networks
6th Symposium on Advances in Approximate Bayesian Inference, 2024
Tommy Rochussen
https://arxiv.org/abs/2405.17666

Amortised Inference in Bayesian Neural Networks for Small-Scale Probabilistic Meta-Learning
5th Symposium on Advances in Approximate Bayesian Inference, 2023
Matthew Ashman*, **Tommy Rochussen***, Adrian Weller
https://arxiv.org/abs/2310.15786