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

 $Overall\ grade \colon II.i$

Tonbridge School Sep. 2014 - Jul. 2019

A-Levels: 4A* GCSEs: 13A*

Mathematical Challenges: 3x Gold in IMC, Gold in SMC, Commendation in BMO I

PROFESSIONAL EXPERIENCE

Motorway - Machine Learning Researcher Apr. 2024 - Sep. 2024

Bayesian optimisation and scalable Gaussian processes 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