

# TOMMY ROCHUSSEN

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## EDUCATION

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### 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 I](#)

## PROFESSIONAL EXPERIENCE

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### Motorway - Machine Learning Research Consultant

Nov. 2024 - present

Bayesian optimisation for vehicle pricing

### 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

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### Technical University of Munich - Supervisor

Oct. 2024 - Jan. 2025

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

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### Sparse Gaussian Neural Processes

*Proceedings of the 7th Symposium on Advances in Approximate Bayesian Inference, PMLR, 2025*

Tommy Rochussen, Vincent Fortuin

<https://openreview.net/forum?id=abZvG81jBI>

## WORKSHOP PAPERS AND PRE-PRINTS

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## **Structured Partial Stochasticity in Bayesian Neural Networks**

*6th Symposium on Advances in Approximate Bayesian Inference, 2024 (non-archival track)*

**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 (non-archival track)*

Matthew Ashman\*, **Tommy Rochussen\***, Adrian Weller

<https://arxiv.org/abs/2310.15786>