

PROFILE

My passion is the intersection of psychology and artificial intelligence research, currently working towards advancing diagnostics and treatment in mental healthcare.

Visit mlt94.github.io

Projects

Social Semi-Supervised
 Learning: individuals
 constantly label their own
 internal state with their
 non-verbal behavior. My
 next project relates to
 learning these patterns
 unsupervised during psy chotherapy

Ideas for 2025

- How to formulate a behavioral or psychological inverse problem from a ML perspective: are purely data-driven methods sufficient?
- Exploring the framework of Active Inference as a foundational approach to inductive bias in new ML architectures

PERSONAL

- Certified Yoga and Meditation teacher
- Happy father to Alfred born October 2024
- PHONE+45 20951576
- EMAIL mlut@itu.dk

MARTIN LUND TRINHAMMER

EDUCATION



Master of Science, Psychology, University of Copenhagen // September 2019-January 2022 // GPA: 10.3/12

Specialization: Clinical- and health psychology

- Including courses:
- Introduction to Data Science, Department of Computer Science
- Social Graphs and Interactions, Technical University of Denmark



Summer School, Machine Learning and Healthcare, Oxford University // August 2020



Bachelor of Science, Psychology, University of Copenhagen // September 2016-June 2019 // GPA 10.8/12

Employment



IT University of Copenhagen

PhD student // October 2023-present

- Researching machine-learning solutions for mental healthcare
- Funded by the Pioneer Centre for Artificial Intelligence
- $\bullet \hspace{0.4mm}$ Affiliated with the audio-visual computing group led by professor Sami S. Brandt

Capgemini Invent Denmark

Management Consultant // March 2022-September 2023

- Data, cloud and machine-learning projects for life science companies
- Part of the Nordic Data & AI capability and main driver of XR/Metaverse in DK



People Test Systems

Intern // August 2021-December 2021

- Building custom machine-learning applications for People Test Systems
- Combining machine-learning models with psychometry



Rockwool Foundation

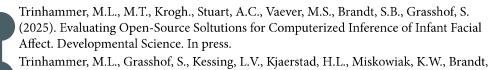
Student Research Assistant // March 2020-August 2021

- Researching the association between downsizing Danish psychiatric hospitals and the corresponding increase in use of court ordered psychiatric treatment
- Bringing insights from mental health to inspire new directions for econometrics



Department of Psychology, University of Copenhagen Student Counselor // February 2018–August 2020

FIRST-AUTHOR PUBLICATIONS



S.B. (2025). Just a brow or biomarker? Investigating facial micro movements in patients with bipolar disorder using computational methods. *Neuroscience Applied*. In Press. Trinhammer, M.L., Holst-Merrild, A., Lotz, J.F., & Makransky, G. (2022). Predicting

crime during or after psychiatric care: Evaluating machine learning for risk assessment using the Danish patient registries. *Journal of Psychiatric Research*, 2022, 152:194-200