



# MARTIN LUND TRINHAMMER

## PROFILE

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

## Projects

- Infant socio-emotional development analyzed via facial expressions (paper expected primo 2025)
- LLMs for patient attachment classification through psychotherapy (paper expected primo 2025)

## Ideas for 2025

- How to formulate a behavioral or psychological inverse problem from a machine-learning perspective: are purely data-driven methods sufficient?
- Inspiring a new direction for affective computing following Lisa Feldman Barrett's work

## PERSONAL

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

## 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
- 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

## PUBLICATIONS



Trinhammer, M.L., Grasshof, S., Kessing, L.V., Kjaerstad, H.L., Miskowiak, K.W., Brandt, 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