



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. 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 psychotherapy

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
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- EMAIL
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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

FIRST-AUTHOR PUBLICATIONS



Trinhammer, M.L., M.T., Krogh., Stuart, A.C., Vaever, M.S., Brandt, S.B., Grasshof, S. (2025). Evaluating Open-Source Solutions for Computerized Inference of Infant Facial Affect. *Developmental Science*. In press.



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