



MARTIN LUND TRINHAMMER

PROFILE

As a psychologist pursuing a PhD in machine learning, my passion lies in applying data-driven learning methods to address core problems in mental health research and psychotherapy. My doctoral work focuses on developing multi-modal models for psychotherapy and diagnostics, notably integrating non-verbal behaviors with text and speech. While my research is deeply interdisciplinary, my primary aim is to advance robust computational approaches that push the boundaries of how psychological theory and machine learning can inform one another.

For an updated publication list, project repositories, and additional information, visit my research profile at: mlt94.github.io.

Projects

During the autumn of 2025, I will be working with leading researchers in Berlin on computational modeling of non-verbal synchrony in psychotherapy using openTSLM.

Core thoughts

- What prevents the mental health field from fully benefiting from the bitter lesson? Are there foundational barriers beyond limited data access?
- How are vast quantities of time-series data best combined with text to enable inference on user mental state and well-being?
- How should a foundational model for psychotherapy be built, and to what extent should theoretical insights from psychology guide its development?

PERSONAL

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

WORK & EDUCATION

IT University of Copenhagen

PhD student // October 2023–present

- Researching multi-modal machine-learning 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
- Exposure to diverse projects, from business to IT and emerging technologies

People Test Systems

Intern // August 2021–December 2021

- Building custom machine-learning applications for People Test Systems
- Combining machine-learning models with psychomtry
- Navigating highly interdisciplinary environments
- Bringing monetizable value from machine-learning projects to clients

Master of Science, Psychology, University of Copenhagen

Education // September 2019-January 2022 // GPA: 10.3/12

- Specialization in clinical- and health psychology
- Strong training in psychotherapy theory and methods
- Deep exposure to ethical and moral problems

The 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

- Developing and implementing initiatives to increase well-being and retention among student body
- More than 250 hours of counselling/therapy experience
- Presentations and facilitation for audiences ranging from 20-400 people

Bachelor of Science, Psychology, University of Copenhagen

Education // September 2016-June 2019 // GPA 10.8/12