

# CAN H. TARTANOGLU

Agile Researcher & Engineer | Ph. D. candidate in Medical Computation Neurosciences

 Berlin, Germany     canhtart@gmail.com     +49 176 64782175     @caniko     canhtartanoglu  
 caniko     0000-0001-5167-0678



## SOFTWARE EXPERIENCE

Software engineer and researcher

**On-Site at Haber Laboratory**

 Aug 2020 – Present     Berlin, Germany

- Leading the Synapse DB project. Infrastructure DevOps, full stack design and implementation, and executive decisions
- Assisted with automated animal behavior analysis in other Ph. D. projects
- Guided and assisted juniors and interns

Open Source project author

**Remote**

 May 2018 – Present     Oslo, Norway

FOSS projects in Python and Rust, explore my projects on GitHub.

Software Engineer


**On-Site at Mnemonic**

 May 2020 – Aug 2020     Oslo, Norway

One of two founders of the tooling team responsible for developing backend systems and interfaces for internal and B2B consumption.

Software Engineer

**Remote at Reshape Labs**

 Feb 2019 – Aug 2020

- System design, company representative, and public speaker
- Created the first product of the company, which is a Tetris inspired game that is player VS player.

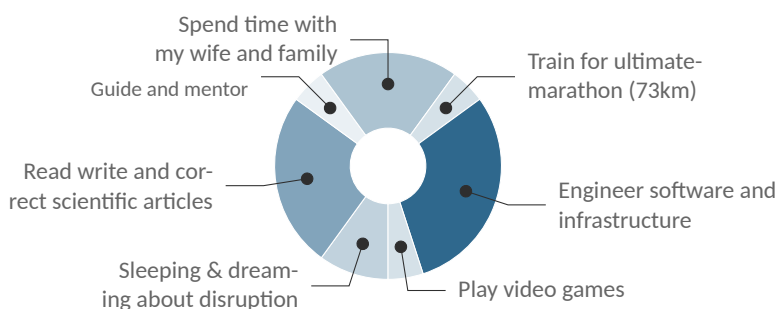
Member of Group-EDB

**On-Site at the communication department in the Norwegian Student-community (DNS)**

 March 2016 – May 2017     Oslo, Norway

Introduced to virtual machine infrastructure monitoring, and Linux ecosystem.

## A DAY OF MY LIFE



## LIFE PHILOSOPHY

*“Embrace a holistic approach that integrates diverse perspectives and experiences”*

## ACHIEVEMENTS



**FOSS project founder, Oslo, Norway**

BiKiPy, a Python package, for analysing animal movement in behaviour experiments, four upcoming citations.



**Athletics**

Ran Toughest ORC, which is an 8 km run with challenging obstacles two times, 2016 and 2018. Oslo half-marathon in 2021.

## INTERESTS

Mentoring    Blockchain    Neuroscience  
Engineering    Nutrition    Ultimate Frisbee  
Windsurfing    Running    Fitness

## SKILLS

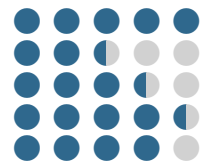
Python

Rust

Latex

FastAPI-OpenAPI

Flutter/Dart



Arch Linux

Kubernetes

Cassandra DB

PostgreSQL



## REFERENCES

**Joakim von Brandis**

@ joakim@mnemonic.no

Head of development, Mnemonic

**A/Prof. Torkel Hafting**

@ torkel.hafting@gmail.com

Medical faculty, University of Oslo

**Prof. Espen Melum**

@ espen.melum@medisin.uio.no

Medical faculty, University of Oslo

# BIOSCIENCE EXPERIENCE

Researcher for Academic projects in Neuroscience

On-Site at the University of Oslo (UiO)

March 2015 – April 2020      Oslo, Norway

- The Prydz Laboratory: Worked with and maintained MDCK cells for glycobiology research.
- The Hafting Laboratory: Compute the time a mouse spends in the region of interest, created a new Python package DeepLabCutAnalysis.
- The Morland Laboratory (Institute of Pharmacology): Extraction of kinematic features from experimental video recordings of mice with induced stroke.

Teaching Assistant in Bioscience courses at Bachelor level

University of Oslo

March 2016 – Dec 2019      Oslo, Norway

Bachelor courses including physiology, biochemistry, and computational modeling

Laboratory Technician for NoPSC in Melum Group

Oslo University Hospital

Sept 2016 – Nov 2017      Oslo, Norway

Worked with genotyping of mice, including isolation of DNA and amplification of target genes.

Intern at the Centre for Integrative Neuroplasticity

University of Oslo

Aug 2016 – June 2017      Oslo, Norway

Performed surgeries, partook in meetings, and preliminary work for Master's project

# EDUCATION

Ph.D. Candidate

German Center for Neurodegenerative Diseases (DZNE)

Aug 2020 – Present      Berlin, Germany

Thesis title: "SynDB: Federated data platform for high-resolution microscopy data"

Supervisors: Dr. Matthias Haberl, and Dr. Silvia Viana da Silva

Master of Science in Physiology

University of Oslo

July 2017 – Dec 2019      Oslo, Norway

Thesis title: "Markerless 3D tracking and reconstruction of subjects with multiple stereo cameras"

Supervisors: A/Prof. Torkel Hafting, Dr. Alessio Buccino, Malin Benum Roe

Bachelor of Science in molecular biology and biochemistry

University of Oslo

July 2014 – June 2017      Oslo, Norway

# LANGUAGES

English  
Norwegian  
Turkish  
German

