

# CAN H. TARTANOGLU

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

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## 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.

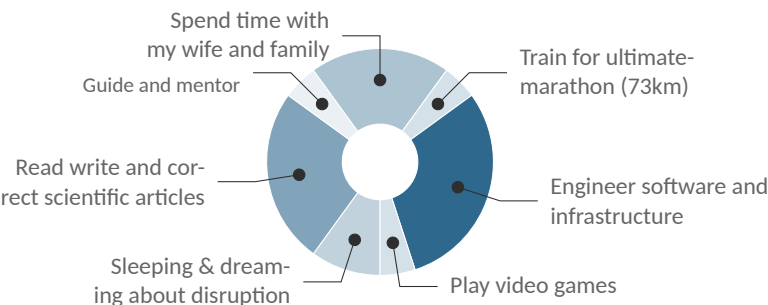
Member of Group-EDB

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

