

# CAN H. TARTANOGLU

Senior Software Engineer at Clovr Labs | Ph. D. candidate in computational neurosciences at the Charité

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## SOFTWARE EXPERIENCE

### Senior Software Engineer

Remote; Clovr Labs

📅 Aug 2023 – Present

📍 Berlin, Germany

### Software engineer and researcher

On-Site; Haberl Laboratory

📅 Aug 2020 – Aug 2023

📍 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

Home office

📅 May 2018 – Present

📍 Oslo, Norway

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

### Software Engineer

On-Site; 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; 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; communication department of the Norwegian Student-community (DNS)

📅 March 2016 – May 2017

📍 Oslo, Norway

Introduced to virtual machine infrastructure monitoring, and Linux ecosystem.

## 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

Terraform

Kubernetes

Cassandra DB

PostgreSQL



## REFERENCES

Joakim von Brandis

@ joakim@mnemonic.no

✉ Head of development, Mnemonic

A/Prof. Torkel Hafting

@ torkel.hafting@gmail.com

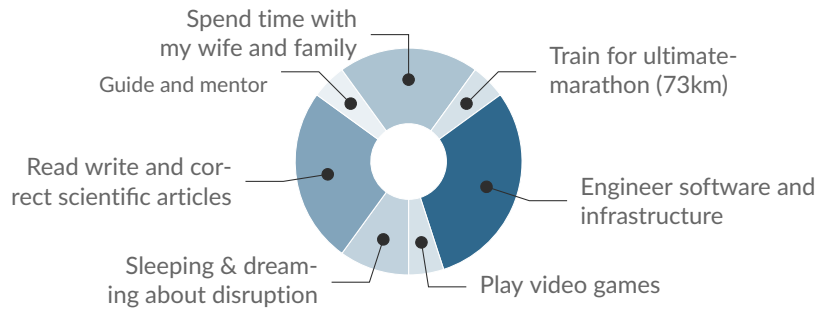
✉ Medical faculty, University of Oslo

Prof. Espen Melum

@ espen.melum@medisin.uio.no

✉ Medical faculty, University of Oslo

## A DAY OF MY LIFE



## BIOSCIENCE EXPERIENCE

### Researcher for Academic projects in Neuroscience

#### On-Site; University of Oslo

📅 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 DeepLab-CutAnalysis.
- 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

#### On-Site; University of Oslo

📅 March 2016 – Dec 2019 📍 Oslo, Norway

Bachelor courses including physiology, biochemistry, and computational modeling

### Laboratory Technician for NoPSC in Melum Group

#### On-Site; 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

#### On-Site; 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

