

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

Created the first product of the company, which is a Tetris inspired PvP (player VS player) game.

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.

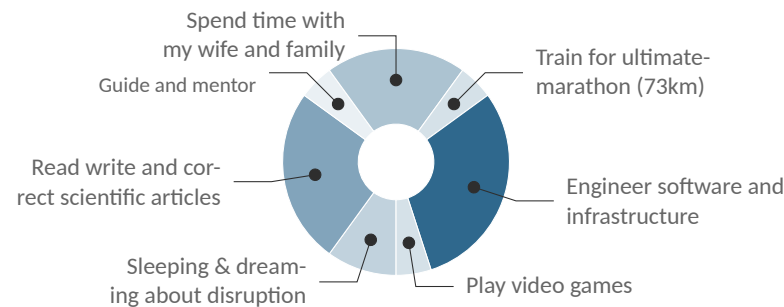
Member of Group-EDB

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

