CAN H. TARTANOGLU

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

📍 Berlin, Germany @ canhtart@gmail.com 📞 +49 176 64782175 caniko in canhtartanoglu

🐦 @caniko ID 0000-0001-5167-0678

SOFTWARE EXPERIENCE

Software engineer and researcher
On-Site at Haber Labaratory

📅 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.
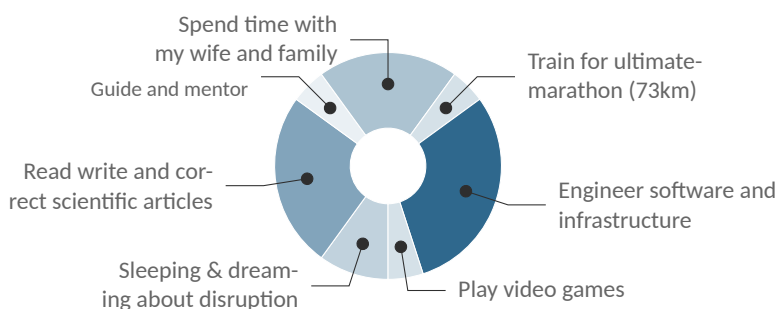
Member of Group-EDB
On-Site at the communication department in the Norwegian Student-community (DNS)

📅 March 2016 – May 2017 📍 Oslo, Norway

Introduced to virtual machine infrastructure monitoring, and Linux ecosystem.

A DAY OF MY LIFE

- Spend time with my wife and family
- Guide and mentor
- Read write and correct scientific articles
- Sleeping & dreaming about disruption
- Play video games
- Engineer software and infrastructure
- Train for ultimate-marathon (73km)

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

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