

Fatih Burak Karagöz

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Education

Boğaziçi University — Philosophy (B.A.) Jan 2021 – Jun 2025

Relevant Coursework: Logic, Philosophy of Mind, NLP, Interactivism, Computer Science, Statistics

Boğaziçi University — Turkish Language and Literature (B.A.) Sept 2018 – Jan 2021

GPA: 3.58/4.00

Relevant Coursework: Linguistics, Ottoman Turkish, Literary Theory, Textual Analysis

Presentations

Bisiklet Adası — TURING Foundation, Istanbul Feb 2024

Shared insights from a 15,000 km solo cycling journey from the Balkans to Finland, focusing on embodied mobility and urban culture.

[YouTube: Bicycle Island](#)

Retorik Nedir? — TURING Foundation, Istanbul Jan 2020

Presented an analysis of rhetorical theory from antiquity to postmodernity.

[YouTube: What is Rhetoric?](#)

Publications

Building Foundations for NLP of Historical Turkish: Resources and Models

Co-authored preprint — Jan 2025

Provides key resources for Ottoman Turkish NLP, including annotated corpora and benchmark models.

arxiv.org/abs/2501.04828

Towards a Clean Text Corpus for Ottoman Turkish

ACL SIGTURK, Bangkok — Jul 2024

Co-authored corpus study for historical Turkish texts with novel normalization methods and linguistic metadata.

aclanthology.org/2024.sigturk-1.0.pdf

Theory of Differentialism

Independent Study — May 2024, with Lucas Thorpe

Investigates change and cognition through a new philosophical framework combining epistemology and symbolic logic.

DOI: [10.13140/RG.2.2.28148.97926](https://doi.org/10.13140/RG.2.2.28148.97926)

On the Edge of Cognitive Revolution: The Impact of Neuro-Robotics on Mind and Singularity

ISBCS Conference, Özyeğin University — Apr 2023

Explores the epistemological implications of neuro-robotic systems and their relation to AI singularity.

philarchive.org/rec/KAROTE-5

Ventures & Founding Initiatives

BetterQuery github.com/betterquery

2025–ongoing. Founder. LLM-powered query optimization and prompt rewriting infrastructure. Built with Next.js, Tailwind, and LangChain.

Q-Oracle github.com/rekurrenz

2025–ongoing. Founder. Market intelligence system with real-time scraping, price tracking, and insight generation via vector embeddings and ML-based classification.

CDLI.ai cdli.ai

2024–ongoing. Founder. Applied AGI initiative building cognitive infrastructure, robotics, and intelligent systems. Operating in stealth toward neuro-symbolic integration.

Botanera Genomics github.com/cdliproject

2024–ongoing. Co-founder. Plant breeding optimization platform using NGS pipelines and decision making systems.

Selected Projects & Engineering Work

Ottoman NLP Project

[github.com/Ottoman-NLP](https://github.com/rekurrenz/ottoman-nlp)

2023–2024. Contributor. Built corpora, lexicons, and tokenization tools for historical Turkish NLP. Published at ACL SIGTURK 2024.

Corpus Engineering Tools (Ottoman)

2023–2024. Built command-line tools for cleaning, transliteration, and structure analysis of Ottoman Turkish texts using regex, YAML metadata, and custom tokenizers.

NER-dsai

[github.com/rekurrenz/NER-dsai](https://github.com/rekurrenz/ner-dsai)

2024. Developed BERT-based NER system for Ottoman Turkish. Includes full pipeline: training, evaluation, performance visualization.

Personal Assistant

[github.com/rekurrenz](https://github.com/rekurrenz/personal-assistant)

2023. Local GPT-powered server assistant with encryption, modular routing, and command handling. Built in Python.

Extracurricular & Personal Milestones

TURING Foundation Scholar (2018–2024)

turing.org.tr

Selected for a nationally prestigious scholarship supporting high-potential students in the humanities and science.

T3 NLP Engineering Volunteer (Feb 2025)

Selected for the NLP unit of the AI Engineering Program at T3 Foundation.

Martial Arts Training (2019–2023)

MMA (Trainer: Igor Kryvoruchko), Brazilian Jiu-Jitsu. Practiced in Eastern Europe and Türkiye.

Programs & Advanced Courses

Neuromatch Academy: Deep Learning Track (Summer 2025)

neuromatch.io

Enrolled student in 2025 cohort. Intensive global program focused on applied deep learning, neural computation, and model interpretability.

Philosophy Summer Camps (2023–2024)

Participant at [Arkhe](#) and [Gümüşlük Academy](#) with seminars on philosophy, technology, and social theories.

Licenses and Certifications

Stanford University: Machine Learning

University of Washington: Computational Neuroscience

DeepLearning.AI: Neural Networks and Deep Learning

IBM: Deep Learning, Data Science, DevOps

Cyber Clubs Association - Summer School: Linux Kernel, Bash Scripting

Neuro-Symbolic AI Summer School: Symbolic-AI Research Community Event