

Haldun Bucak, M.Sc.

♥ Erlangen, Germany

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🌐 ItsHaldun

in haldun-bucak

🌐 <https://itshaldun.github.io/>



Education

- 10/2021 – present ♦ **M.Sc., Friedrich-Alexander Universität Erlangen-Nürnberg** in Data Science.
Thesis title: *Context-Assisted Killer Whale Photo Identification using Deep Learning*.
GPA: 2.20 (German).
- 08/2015 – 04/2021 ♦ **B.Sc., Boğaziçi University** in Chemical Engineering.
Thesis title: *Comparative Feasibility Analysis of Sustainable Energy Investments*.
GPA: 3.19 (USA) = 1.81 (German).
- 08/2018 – 12/2018 ♦ **Exchange, The University of Oklahoma** in Chemical Engineering.
GPA: 3.54 (USA) = 1.46 (German).

Employment History

- 02/2021 – 03/2021 ♦ **Internship.** Department of Chemical Engineering, Boğaziçi University.
Project title: *Data Analysis in Photocatalytic Water Splitting Using Machine Learning Tools*.
Summary: Data processing and analysis, model training, classification, visualization, project presentation.
- 07/2019 – 08/2019 ♦ **Internship.** Department of Manufacturing, Flokser Kimya.
Summary: Data collection and registry, process automation, production visualization.

Relevant Coursework

- Data Analysis ♦ Pattern Recognition, Pattern Analysis.
- Machine Learning ♦ Artificial Intelligence I & II, Deep Learning, Mathematics of Learning.
- Computer Science ♦ Introduction to Computing, Data Structure Engineering.

Skills

- Languages ♦ Turkish (native speaker), English (proficient/C2), German (learning B1). Some knowledge of Japanese.
- Coding ♦ Python (Pandas, sk-learn, PyTorch, NumPy, SciPy), C/C++, SQL, L^AT_EX, ...
- Databases ♦ MySQL, SQLite.
- Web Dev. ♦ HTML, CSS, JavaScript, Flask (Python).
- Misc. ♦ Git, Microsoft Office, Documentation, Linux, Cloud Computing, Academic Research.

Miscellaneous Experience

Certification

- 2020 ♦ **CS50x Certificate.** Awarded by Harvard University.