Yilmazcan Özyurt

PhD Candidate at ETH Zürich

Research interests: Deep Learning, Time series models, Transfer Learning, Generative Networks

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EDUCATION

PhD in Computer Science, ETH Zürich — **2021 − 2025**
- Member of DS3Lab in Systems Group — *Zürich, Switzerland*

M.Sc. in Computer Science, ETH Zürich — **2018 − 2020**
- Completed Information Systems Track Program — *Zürich, Switzerland*

B.Sc. in Computer Engineering, Koç University — **2013 − 2018**
- Graduated with the **1st place** — *Istanbul, Turkey*

B.Sc. in Industrial Engineering (double major), Koç University — **2013 − 2018**
- Graduated with the **2nd place** — *Istanbul, Turkey*

Study Abroad, Northwestern University — **Spring 2017**
- *Evanston, IL*

WORK EXPERIENCE

Machine Learning Engineer (remote), Migraine AI — **2019 − 2020**
- Predicted next migraine attack of patient based on wearable sensor and mobile-app data. — *Palo Alto, CA*

Research Assistant, Information Security Group at ETH — **Fall 2019**
- Built a deep neural network to automatically label privacy policies, supervised by Prof. David Basin. — *Zürich, Switzerland*

Research Assistant, Institute for Machine Learning at ETH — **Spring 2019**
- Digitalized scanned ECG images under the supervision of Prof. Joachim Buhmann. — *Zürich, Switzerland*

Junior Data Scientist, Invent Analytics — **Summer 2018**
- Increased the profit of the retailers by more than 5% by forecasting the demand of the certain products and decision-making of inventory management. — *Istanbul, Turkey*

Research Assistant, Koç University — **Fall 2017**
- Detected Multiple Failures in network systems, supervised by Prof. Barış Yıldız. — *Istanbul, Turkey*

Research Assistant, Northwestern University — **Spring 2017**
- Detected LWBS (left without being seen) patients in the emergency departments of the hospitals in the US, under the supervision of Prof. Seyed Iravani. — *Evanston, IL*

HONORS AND ACHIEVEMENTS

Success Scholarship, ETH Zürich — **Spring 2020**
- Granted this scholarship by achieving one of the highest GPAs in my department. — *Zürich, Switzerland*

Success Scholarship for Abroad, Turkish Education Foundation (TEV) — **2018 − 2020**
- Selected as one of 8 students in Turkey for financial support to M.Sc. studies abroad. — *Istanbul, Turkey*

LIMDEF Student Support Fund, Koç University — **June 2018**
- Granted this scholarship by graduating with the 3rd place among class 2018. — *Istanbul, Turkey*

High Honor, Northwestern University — **Spring 2017**
- Received this honor by achieving 4.0 GPA. — *Evanston, IL*

Vehbi Koç Scholar, Koç University — **2014 − 2018**
- Received this honor by achieving 3.70 GPA during a semester (8 times). — *Istanbul, Turkey*

Suna Kıraç Outstanding Success Scholarship, Koç University — **2013 − 2018**
- Granted this scholarship as one of the top 30 students who entered the university. — *Istanbul, Turkey*

Outstanding Success Scholarship, Turkish Education Foundation (TEV) — **2013 − 2018**
- Selected as one of top 50 students in Turkey, given to those having leadership potential and academic success. — *Istanbul, Turkey*

COMMUNITY SERVICES

Mentor, Turkish Education Foundation (TEV)
2019 – Present
- Giving guidance to more than 20 college students in disadvantaged regions of Turkey about internship/research opportunities abroad.

Leader Coach, Young Guru Academy (YGA)
2015 – 2018
Turkey
- Organized weekly sessions for disadvantageous children in Anatolia to develop their social skills and prepare them to higher education.

Global Citizen, AIESEC
Summer 2015
Sao Paulo, Brazil
- Designed a webpage for the marketing department of NGO Projeto Arrastao.

TECHNICAL SKILLS

Languages: Python, R, SQL, MATLAB, Java, C++
Packages: PyTorch, Pyro, Keras, Tensorflow

PUBLICATIONS

Ozyurt, Y., Hatt, T., Zhang, C., & Feuerriegel, S. (2022). "A Deep Markov Model for Clickstream Analytics in Online Shopping". *In Proceedings of the Web Conference 2022.*

Ozyurt, Y., Kraus, M., Hatt, T., & Feuerriegel, S. (2021). "AttDMM: An Attentive Deep Markov Model for Risk Scoring in Intensive Care Units." *In Proceedings of the 27th ACM SIGKDD Conference on Knowledge Discovery & Data Mining.*

Ozyurt, Y., Feuerriegel, S., & Zhang, C. (2022). "Contrastive Learning for Unsupervised Domain Adaptation of Time Series". *Currently under review.*

Pekel K., **Ozyurt, Y.**, & Yildiz, B. (2022). "A Branch-and-Cut Approach to Solve the Fault Detection Problem with Lazy Spread". *Currently under review.*

Hollenstein H., Tröndle M., Plomecka M., Kiegeland S., **Ozyurt Y.**, Jäger L. A., & Langer N. (2022). "The ZuCo Benchmark on Cross-Subject Reading Task Classification with EEG and Eye-Tracking Data". *Currently under review.*