Ali Yesilkanat

(+90)5078590386 ⋄ aliyesilkanat@gmail.com

Istanbul, Turkey

github.com/aliyesilkanat   linkedin.com/in/aliyesilkanat

SUMMARY

Participating in research and development cycles in machine learning-based real-world applications is my main interest. I graduated from my master's degree with the expertise of deep learning, speech processing concepts. I also developed a credit card fraud detection system with machine learning as an R&D Engineer in Applied AI and R&D Department, Yapi Kredi Bank. Therefore, I have excellent knowledge and hands-on experience in machine learning, data science, and software development. My ultimate aim is to advance in my career abroad by following and employing the newest research and technologies.

TOPICS INTERESTED

Machine Learning, Deep Learning, Speech Processing, Computer Vision, Software Engineering

EDUCATION

Bogazici University, Istanbul   *2017 - 2020*
Master of Science, Department of Computer Engineering   **GPA:** 3.77/4.00
Thesis: Adversarial One-Shot Voice Conversion with Disentangled Representations

Studied Concepts

- Machine Learning, Deep Learning, Deep Generative Models (VAE, GANs)
- Speech Processing, Computer Vision, Natural Language Processing
- Probabilistic Methods, Monte Carlo Methods

Programming Experiences

- Python, Pytorch, Keras, Numpy, Pandas, Apex

Ege University, Izmir   *2012 - 2016*
Bachelor of Science, Department of Computer Engineering   **GPA:** 3.71/4.00
Thesis: Sentiment Analysis of Tweets Using Machine Learning with Akka Actors

WORK EXPERIENCE

Yapi Kredi Technology, Istanbul   *March 2018 - Present*
Research and Development Engineer Specialist
Real-Time Credit Card Fraud Detection using Machine Learning

- Real-world, massive, and imbalanced credit card transactions
- ETL, Feature Engineering and gradient boosting tree based modelling
- Integration to the bank for real-time flowing transactions
- Automatic retraining structure for prevention of the concept drift
- Used technologies: Python, Java, Spring Boot, Flask, Docker, Redis

OBSS, Istanbul *August 2016 - April 2017*
Associate Consultant - Software Developer
Development of Financial and Banking Applications in Yapi Kredi

- Designing web services for core banking applications
- Oracle RDBMS, PlSQL
- Frontend-Backend development using Java

PUBLICATIONS

- **A Yesilkanat**, H Kaya, S. F. Gurgen, "Adversarial One-Shot Voice Conversion with Disentangled Representations", *ICPR* 2020. (Under Review)

- **A Yesilkanat**, B. Bayram, B. Koroglu, S. Arslan, "An Adaptive Approach on Credit Card Fraud Detection using Transaction Aggregation and Word Embeddings", *AIAI* 2020.

- H. Kaya, D. Fedotov, **A. Yesilkanat**, O. Verkholyak, Y. Zhang, A. Karpov, LSTM Based Cross-corpus and Cross-task Acoustic Emotion Recognition, *Interspeech* 2018.

TECHNICAL STRENGTHS

Machine Learning Skills	Pytorch, Keras, Tensorflow, Apex, Numpy, Scikit-Learn, Pandas, Jupyter Notebook
Software Development Skills:	Python, Java EE, Spring, C, C#, Javascript, PL/SQL, Redis, MongoDB, Git, Bamboo, Jenkins, REST, SOAP, Socket Programming, Concurrent Programming, Test Oriented Programming, Event Driven Programming, Integration Testing, Linux, Docker

EXTRA-CIRRUCULAR

Workshop For Disabled Children (Assistant)

Youth Leadership and Entrepreneurship Program (U.S. Department of State)

Young Innovativation and Entrepreneurship Project II (U.S. Embassy, Ankara and T.E.D.)

CERTIFICATES

Neural Networks and Deep Learning (Coursera deeplearning.ai, 2018)

Sequence Models (Coursera deeplearning.ai, 2018)

Data Science, Deep Learning, & Machine Learning with Python (Udemy, 2018)

LANGUAGES

Turkish (Native), English (Advance), German (Basic)