SAMET DEMİR

+90 506 659 91 50 ⋄ samet.demir1@boun.edu.tr

EDUCATION

Boğaziçi University   *August 2015 - August 2020*
B.Eng. in Computer Engineering   Overall GPA: 3.37 / 4.0
                                                 Computer Engineering Courses GPA: 3.70 / 4.0

RESEARCH EXPERIENCE

Boğaziçi University - PILAB-SIGMA Research Group   June 2018 - July 2018
Summer Research Intern   *Advisor: A. Taylan Cemgil*

Research on "Turkish Word Stemming"

Boğaziçi University - PILAB-SIGMA Research Group   September 2018 - January 2019
Undergraduate Research Assistant   *Advisor: A. Taylan Cemgil*

Research on "Turkish Word Stemming"

Boğaziçi University - Dependable Systems Group   March 2019 - July 2020
Undergraduate Research Assistant   *Advisor: Alper Şen*

Research on "Testing Deep Neural Networks"

PUBLICATIONS

Neural Academic Paper Generation   2019
arXiv:1912.01982
Work In Progress   *Co-authors: Uras Mutlu and Özgür Özdemir*

Reward Guided Test Generation For Deep Learning   2020
arXiv:1911.10621
Workshop on Artificial Intelligence Safety 2020   *Co-authors: Hasan Ferit Enişer and Alper Şen*

TEACHING EXPERIENCE

Boğaziçi University - Intro. to Computing(CMPE150)   September 2017 - January 2018
Undergraduate Teaching Assistant

Help students practice C Programming at LAB hours

WORK EXPERIENCE

TUBİTAK BİLGEM - Software Tech. Research Institute   August 2018 - September 2018
Software Engineering Intern   *Supervisor: Erkan Yalçın*

Learn Microservices Architecture with Java - Spring Framework

armut.com   January 2019 - March 2019
Machine Learning and Artificial Intelligence Intern   *Supervisor: Günay Özkan*

Project: Improving the Recommendation System
Apply Recurrent Neural Networks and Research on "Neural ODEs for Recommendation Systems"

intertech   August 2019 - September 2019
Software Engineering and Business Analysis Intern   *Supervisor: Harun Can Tekin*
Project: Improving the Process Design Management

CERTIFICATES

Machine Learning   October 2016
Stanford University - coursera.org   *Lecturer : Andrew Ng*

coursera.org/account/accomplishments/certificate/JUY53X4XZMVB

Cybersecurity Winter Camp 2017   February 2017
BUCYBER - Boğaziçi University   *Lecturer : Fatih Emiral*

Neural Networks and Deep Learning   August 2017
deeplearning.ai - coursera.org   *Lecturer : Andrew Ng*

coursera.org/account/accomplishments/certificate/88JAH8KGEZ7A

Improving Deep Neural Networks:
Hyper-parameter tuning, Regularization and Optimization   January 2018
deeplearning.ai - coursera.org   *Lecturer : Andrew Ng*

coursera.org/account/accomplishments/certificate/3S2GR8AVMLC7

Computational Neuroscience: Neuronal Dynamics of Cognition   July 2018
EPFLx - edX   *Lecturer : Wulfram Gerstner*

courses.edx.org/certificates/ca3fb903e5a94974a66929f4ffa28e78

PROJECTS

Vehicle Tracking via Smart Phones   June 2017 - July 2017

Implement a Shared Taxi ("Dolmuş" in Turkish) Tracking application
github.com/simitii/DolmusNerde-WebSite

Course List Planner   September 2017

Implement an unofficial Course List Planner for Boğaziçi University students
github.com/simitii/CoursePlanner-BackEnd

Experimental P2P File Sharing   September 2017

Implement an Experimental P2P File Sharing Application
github.com/simitii/Experimental-P2P-File-Sharing-Groups

Learn to Move with Deep Reinforcement Learning   March 2018 - June 2018
CMPE462 - Machine Learning Term Project   *Lecturer: A. Taylan Cemgil*

Apply Deep Reinforment Learning to NIPS 2017 Challenge - Learning to Run
github.com/simitii/Learn-to-Move-with-Deep-Reinforcement-Learning/

LANGUAGES

English - *Proficient*   **Turkish** - *Native*