Onur KİRMAN

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EDUCATION	**ÖZYEĞİN UNIVERSITY -** Istanbul, TURKEY (09/2021 - 06/2023) **Graduate School of Engineering and Science – M.Sc. Computer Science** **Honor:** 100% High Performance Scholarship **ÖZYEĞİN UNIVERSITY -** Istanbul, TURKEY (09/2015 - 06/2021) **Faculty of Engineering - Department of Computer Science** **Double Major: Department of Electrical and Electronics Engineering** *(Highest Ranked Student)* **Honor:** 50% Performance Scholarship **Cumulative GPA:** 3.55/4.00 **ASİYE AĞAOĞLU ANATOLIAN HIGH SCHOOL -** Istanbul, TURKEY (2011 - 2015)
EXPERIENCE	**ÖZYEĞİN UNIVERSITY -** Istanbul, TURKEY (06/2021 – Current) **Position:** University Research Assistant ♦ Researching on Computer Vision appliances of Machine Learning ♦ Organizing/Grading course materials **ARÇELİK GLOBAL -** Istanbul, TURKEY (06/2021 – 10/2021) **Position:** Project Engineer, R&D ♦ Developed domestic robotic vacuum cleaners' software using Python and ROS ♦ Worked on the detection of specular reflection on surfaces in 2D LiDAR scans **INTERTECH IT -** Istanbul, TURKEY (08/2019 - 09/2019) **Position:** Software Developer, Intern ♦ Developed a Full-Stack project using React JS and Express JS technologies in Agile methodology ♦ Evolved the team's old fashion shift system into a dynamic and modern Web API service **LOGO SOFTWARE -** Istanbul, TURKEY (06/2019 - 07/2019) **Position:** Software Developer, Intern ♦ Developed a Java EE Spring Boot Rest API with the use of Jenkins ♦ Accomplished the project using Continuous Integration concept with a DevOps project plan
PUBLICATIONS & PROJECTS	**HANDWRITTEN TEXT SEGMENTATION AND OCR WITH TRANSFORMER ARCHITECTURE-** Istanbul, TURKEY - *IEEE Turkey The Undergraduate Academic Conference (TUAC) 2021* ♦ Delivered a new pixel-wise handwritten text line segmentation method w/ Attention and Transformers ♦ Benchmarked with the contemporary de-facto architectures by using the IAM Handwriting Database **RENTAL PRICE PREDICTION IN GERMANY-** Istanbul, TURKEY (11/2021 - 12/2021) ♦ Analyzed main characteristics of the scraped dataset from "immobilienscout24" website ♦ Used ANN for prediction which then benchmarked with Random Forest and Logistic Regression **SUDOKU PUZZLE RECOGNITION -** Istanbul, TURKEY (04/2020 - 05/2020) ♦ Created an algorithm that can detect Sudoku puzzle and recognize the individual digits in 9x9 Grid ♦ Used Python to develop Confusion Matrix and custom PCA, which trained over MNIST dataset **SENTIMENT ANALYSIS -** Istanbul, TURKEY (10/2018 - 11/2018) ♦ Constructed an effective sentiment analysis tool for Turkish using Statistical Machine Learning ♦ Benchmarked different approaches and algorithms with set of features using Scikit-Learn
VOLUNTARY EXPERIENCE	**ÖZYEĞİN UNIVERSITY -** Istanbul, TURKEY (2017 & 2018) **Position:** Volunteer Student, Orientation ♦ Assisted new students with campus life and guided them to learn the campus with ease ♦ Helped newcomers to find the event locations and faculties
SKILLS	**COMPUTER SKILLS** ♦ Python, PyTorch, TensorFlow ♦ CUDA, ROS, AWS, GCP ♦ C / C++, JavaScript, MATLAB ♦ MySQL, Spring Boot, Flutter/Dart **LANGUAGE SKILLS** ♦ Written and oral fluency in English ♦ Beginner level German
CERTIFICATES	♦ Marsh Financial Modeling and Data Analytics Camp (2019) ♦ Digital Marketing in Entrepreneurship (2018) ♦ Artificial Intelligence Summer School (2017)
EXTRACURRICULAR ACTIVITIES	♦ Co-founder and Supervisory Board Member, Özyeğin University Maker Club (09/2018 - 09/2019) ♦ Member, Özyeğin University Entrepreneurship Club (2016 - 2018) ♦ Member, Özyeğin University IEEE Club (2016 - 2018)
PERSONAL INFO	**Birth Date:** 10-10-1997 **Driver's License:** B Class