

Ekrem Guzelyel

B.S in CS & M.A.S in AI, December 2020

ekremguzelyel@gmail.com
linkedin.com/in/ekrem-guzelyel
224-830-1998
Chicago, IL 60642

EDUCATION

ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago	August 2016 - December 2020
Masters in Artificial Intelligence (Co-terminal degree)	
Bachelors in Computer Science	
Minor in Applied Mathematics	
Relevant Courses: Machine Learning, Deep Learning, Adv. Database Org., Online Social Network Analysis, Computer Vision, Probability/Statistics, Natural Language Processing, Data Structures, Algorithms	

WORK EXPERIENCE

Machine Learning Lab at IIT - Undergraduate Research Assistant , Chicago, IL	
Research: " Learning with Rationales for Document Classification"	February 2020-May 2020
• Samsung project for extracting ground truth rationales with Conditional Random Fields (CRF).	
Research: " Data Categorization for Transparent Text Classification "	October 2018-May 2019
• Automated labeling and preprocessing of text documents using Machine Learning.	
• Trained multiple Machine and Deep Learning classifiers to identify reasoning.	
Blocklight - Lead Software Developer Intern , Chicago, IL	May 2019-August 2019
BAP: " Business Analytics Tool for Small Businesses "	
• Managed the development team of 5, and reached to the MVP.	
• Improved the Django based web-app using Python, and restructured MySQL database.	
• Integrated third party APIs such as Google Analytics API, Facebook Graph API, django-allauth, and Shopify.	
Google - Engineering Practicum Intern (EP) , Mountain View, CA	May 2018-August 2018
Project: " Improving Ads Targeting Quality using TensorFlow Model "	
• Implemented a negative filtering for Google Search Ads using Neural Nets that improved quality by 7.2%.	
• Created a real-time monitoring system that catches old models, executes on-call alert using Python.	

PERSONAL PROJECTS



eguzelyel.github.io

Predicting Tweet Reach of 2020 Presidential Candidates	September 2019-December 2019
• Analyzed pres. candidate tweets collected with Twitter API using a Machine Learning Model.	
• Built a web app to predict a tweet's influence using sentiment and emotion.	
EasyShot: Digital Personal Health Care Companion – DemonHacks Winner	October 2019
• Created the app that find the best public transit route for flu shots or hospitals.	
• Implemented the NLP model to understand text based queries from customers.	
Chicago Pothole Problem: Pothole Filler Route - potholefillerchicago.com	January 2019-May 2019
• Applied capacitated facility location problem for the most efficient route to fill Chicago potholes.	
• Created and worked on a weighted graph of pothole locations from historical data.	

SKILLS

<u>Languages</u> : Python, Java, MySQL, Oracle, Git, Linux	<u>Technical</u> : Machine Learning Algorithms, Deep Learning,
<u>Tools</u> : TensorFlow, Keras, scikit-learn, Numpy, Pandas,	NLP, Data Visualization, Data Structures, Regression
Jupyter Notebook, AWS, Spark	<u>Languages</u> : English (Fluent), Turkish (Fluent)

ACTIVITIES

Turkish Entrepreneurs and Professionals of Chicago (TEP Chicago) - Board Member	August 2019-Present
Organize, coordinate monthly meetings, workshops, and events.	
ML@IIT (Machine Learning Club at IIT) - Events Chair	November 2018-March 2019
Turkish Teacher and High School Mentor at TASC	September 2016-August 2019
University Prep Presentations and How to Be Successful Seminars	March 2015
16 Seminars Given in Istanbul, Kocaeli, Sakarya / TURKEY	

AWARDS

National University Entrance Exam 1 st & 2 nd Stage (YGS-LYS)	March, June 2014
Ranked in top 25 among 2.086.087 students	
Recent Hackathons Won: DemonHacks (1 st place), LyftHack (2 nd place), Uncommon Hacks (Best DB)	