Ekrem Guzelyel
B.S in CS & M.S in AI, December 2020

ekremguzelyel@gmail.com
linkedin.com/in/ekrem-guzelyel
224-830-1998
Chicago, IL 60056

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
- *Proposed a Conditional Random Field (CRF) structure to extract text rationales for document classification.*
Research: *"Data Categorization for **Transparent Text Classification**"*   October 2018-May 2019
- *Automated labeling and preprocessing of text documents using Machine Learning.*
- *Trained multiple Deep Learning and **NLP** classifiers to identify reasoning and understanding.*

Blocklight, **Lead Software Developer Intern**, Chicago, IL   May 2019-August 2019
BAP: *"Business Analytics Tool for Small Businesses"*
- *Managed the software development team of 5, and reached the MVP in a projected timeframe.*
- *Debugged and improved for the **Django** based web-app using **Python**, and restructured **MySQL** database.*
- *Achieved 5 out of 6 third party API integration goals such as Google Analytics, Facebook, and Shopify API.*

Google, **Engineering Practicum Intern**, 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, and executes on-call alert using **Python**.*

PERSONAL PROJECTS

eguzelyel.github.io

Predicting Tweet Reach of 2020 Presidential Candidates   September 2019-December 2019
- *Collected and analyzed pres. candidates' tweets with **Twitter API** using Machine Learning models.*
- *Built a web app to predict a tweet's influence using sentiment and emotion scores from Watson NLU API.*
Recreating End to End Memory Networks with Facebook's bAbI dataset   March 2019-May 2019
- *Implemented the famous **attention** paper with Facebook's question answering dataset.*
- *Reached and documented similar scores original paper with 2-5% margin error for select tasks.*
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 a weighted graph of pothole locations from historical data and built a website.*

SKILLS

Languages: **Python**, Java, C++, SQL, Oracle, **Git**, Linux
Tools: **TensorFlow**, **Keras**, scikit-learn, NumPy, Pandas, nltk, AWS, Spark, **Jupyter** Notebook

Technical: **Machine Learning** Algorithms, **Deep Learning**, NLP, Data Visualization, Data Structures, OOP
Languages: English (Fluent), Turkish (Fluent)

ACTIVITIES

Turkish Entrepreneurs and Professionals of Chicago (TEP Chicago) - Board Member   August 2019-June 2020
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 1st & 2nd Stage (YGS-LYS)   March, June 2014
Ranked in top 25 among 2.086.087 students
Recent Hackathons Won: **DemonHacks** (1st place, both 2019-20), **LyftHack** (2nd place), **Uncommon Hacks** (Best DB)