KAAN CORUM

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Github: https://github.com/kaancorum-git
Hackerrank: https://www.hackerrank.com/kaancorum
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PROFESSIONAL INTERESTS

Artificial Intelligence, Machine Learning, Deep Learning, NLP, Project Management, Data Mining, Big Data, Software Development.

EDUCATION

2015 – Present	**Istanbul Technical University, Istanbul/Turkey** Bachelor of Science in Mathematical Engineering (corresponds to Applied Mathematics), expected 2021
2011 – 2015	**Kadir Has Anatolian Highschool, Istanbul/Turkey**

WORK EXPERIENCE

Aug 2020 – Sep 2020

Testifi GmbH, Munich (A Deep Tech company focused on optimizing the software delivery process through integrations and automation.**): Intern, Remote.**

- Analyzed the log files (as texts) via Tf-idf Vectorizer to get the most important words or word-like parameters to transform into numbers and logs into vectors to analytically analyze them. Worked on NLP (Natural Language Processing).
- Further tested these features with Random Forest Algorithm, Support Vector Machines, Bayesian Methods and Cross Validate to see which method finds which features to be most important ones to classify the logs.
- Gained further knowledge about different machine learning algorithms and used them for logs (in text format) analysis in python.
- Learned simple testing with java and selenium and test the company's demo website in Intellij IDEA.
- With importing projects and codes with GIT and AWS, learned the pipeline structure and working on JIRA environment. Implemented .xml files to projects to use different information on the demo website.

Feb 2020 – June 2020

Değer Technology Inc., Istanbul (owner of the popular online shopping website Shopier.com.)**: Intern.**
- Using data mining and machine learning algorithms and applying them to the credit card information to detect the frauds.
- Learned machine learning algorithms such as Random Forest Algorithm and Support Vector Machines. Worked on correcting the data to use in Support Vector Machines.

Oct 2019 – Feb 2020

Solutera Technology and Information Solutions, Istanbul (writes desktop programs to IOT devices)**: Intern.**
- Wrote complex functions with algorithms knowledge and solved challenging mathematical problems.
- Learned high level Python programming. Analyzed the structure in python and how to add new windows to it. Worked on retrieving information from postman and how to make tables in pyqt5.

Summer 2018

Global Securities, investment consulting and research department, Istanbul (provides capital market brokerage services to individuals, financial institutions, local and international investors)**: Intern.**
- Learned how to do quantitative forecasting by using time series data and statistical tools.
- Gained familiarity with the datasets that are used in risk calculation for stock allocation, and implemented these calculations.
- Experienced the work environment and pace of exchange market sales and advisory services.

- Studied the Central Bank of Turkey's political and economic decisions and their effects on the Turkish Exchange Market.

PROJECTS

All of my Projects can be found on my GitHub page: https://github.com/kaancorum-git

- (Current Project) Digitalizing old Turkish newspapers (provided by İstanbul University) by OCR and correcting the mistakes by using different corpus' and models (provided or developed by our team). My role is to lead the team under my supervisor in my University to improve the OCR accuracy and develop the corpus model.
- (Graduation Project) Machine Learning and Data Mining project registered via TÜBİTAK (The Scientific and Technological Research Council of Turkey). The goal was to create a fraud detecting system by using www.shopier.com's user credit card information and via data mining as well as machine learning algorithms such as Random Forest Algorithm and Support Vector Machines. My role in this project was coding of the machine learning segment and correcting the data.
- (Current Project) Self-Driving car with using MATLAB and Simulink
- (Current Project) Formatting all of my projects in Django and Flask to put in my website with AWS cloud.
- Created Sudoku Solver with using backtracking algorithm and python GUI (pygame)
- Created Snake game with using python GUI (pygame)
- Created chatbot and stock price prediction projects with using my own neural network model.
- Created image classification with using my own convolutional neural network and got the datasets from Keras.
- Created a Django Rest Framework API. Worked on connecting the classes for backend development.
- Created a Mine Sweeper Project with using Java, GUI, Swing and MySQL. Useful example for Object Oriented Project.
- Kaggle Project. Used RandomForestRegressor as algorithm and made different approach on datetime handling.

COMPUTER SKILLS

Python, Machine Learning, Java, MATLAB, Deep Learning, MySQL, Object Oriented, Statistics, Django, Pyqt, Microsoft Office, C, C++

LANGUAGES

- **Turkish** (Native)
- **English** (Fluent)
- **German** (Basic)

ONLINE COURSES AND CERTIFICATES

All of my Certificates can be found on my LinkedIn page: https://www.linkedin.com/in/kaan-corum

- **Coursera, Google:** Google Project Management: Professional Certificate (Agile Project Management) (**Currently taking**)
- **Coursera, DeepLearning.AI:** DeepLearning.AI TensorFlow Developer Specialization ((Sequences, Time Series and Prediction),(Natural Language Processing in TensorFlow),(Convolutional Neural Networks in TensorFlow),(Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning))
- **Coursera, HSE University:** How to Win a Data Science Competition: Learn from Top Kagglers (**Currently taking**)
- **HackerRank:** (Python, Java, Problem Solving)
- **Global AI Hub:** (Python)

EXTRACURRICULAR ACTIVITIES AND STUDENT CLUB MEMBERSHIPS

2017 – Present	**Istanbul Technical University Sailing Club:** - Entered Campuscup2019 and became second in IRC4 (March 2019). - Entered the Istanbul Technical University Sailing Race and earned second place (November 2018). - Earned 2* and continuing sailing race training.
2018 - Present	**Istanbul Technical University IAESTE** (Student club for arranging abroad internships): Joined the trip to Skopje and Ohrid in Macedonia.
2011 – 2015	**Kadir Has Anatolian High School Volleyball Team:** Became the captain in 2013 and earned two district trophies.