

Mesut Şafak BİLİCİ

EDUCATION

- **Yıldız Technical University:** 2017 - 2022
 - Bachelor of Science in Computer Engineering, 3rd grade
 - Grade Point Average: 3.39

WORK & RESEARCH EXPERIENCE

- **Data Science Intern at Scoutium:** 07/2020 - 09/2020
 - Building data processing scripts with Python.
 - Creating a flexible Python package for REST API integration with AWS S3 pipeline.
 - Data management with MySQL and AWS Enviroments.
- **Lecturing: SkyLab and Data Science Community at Yildiz Technical University:**
 - Algorithms and C Programming Language, 10/2019 - 11/2019
 - Introduction To Machine Learning, 02/2020 - 03/2020
 - Introduction to Python Programming for Data Science, 02/2020 - 03/2020
 - Introduction To Deep Learning, 10/2020 - 11/2020
- **Founder & Researcher at Sky Lab AI Research:** 03/2020 - ...
 - Writing papers, conducting scientific research, producing projects, and organizing trainings/lectures.

PROJECTS

- **Model Implementation and Optimization:** An optimized Machine Learning library implemented in Python 3.
- **Damage Detection on Metal Plates:** Real time multiclass damage detection on metal plates using Tensorflow, OpenCV and Faster R-CNN algorithm.
- **Synthetic Music Generation:** A research project, generating synthetic music with Temporal Generative Adversarial Networks and Vector Quantized Variational Autoencoders,.
- **OpenCARGO:** A cargo submitting, tracking application written in Java 1.8. GUI is implemented in Java Swing and Database is implemented with MySQL.
- **Six Degrees of Kevin Bacon:** Distance computation with Breadth First Search over a bipartite undirected graph implementation for connection map between other actors-movies and Kevin Bacon from a given dataset.

SKILLS & KNOWLEDGE

- **Programming Skills:** Python, C/C++, Java, Haskell, Dart, x86 Assembly, Shell, L^AT_EX.
- **Frameworks:** PyTorch, Keras, NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, OpenCV.
- **Database:** MySQL, PostgreSQL.
- **Cloud Services:** AWS S3, AWS Athena.
- **Soft Skills:** Teamwork, Problem-Solving, Analytical Thinking, Communication.

INTERESTS

- **Academic and Professional:** Computer Vision, Natural Language Processing, Deep Learning, Machine Learning, Data Science, Mobile Programming/Development.
- **Personal:** I am a piano player and a Classical Music composer. I have 2 solo albums and 1 album with my ex-band.

REFERENCES

References available on request.



Date Of Birth: 08/1999
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