Biran Yucel - Data Scientist

Istanbul, biranyucel@gmail.com, LinkedIn, AngelList, GitHub

-Experience-

Freelancer (2020 November-Present)

- Implementing Signal Analysis and Classification as a critical feature of a mobile app
    - *Used Technologies:* Python, Kotlin, Swift, Signal Analysis, Scikit-Learn, Scipy, Numpy, Decision Trees
- Providing Machine Learning Pipeline Consulting to a mobile gaming company

VNGRS (2018 February-2020 November)

VNGRS is a prestigious software dev house highly experienced in DevOps and AI. I've gained practical knowledge in different areas of AI and AWS, Google Cloud, Azure.

Elovee (**2019 August-2020 November**): US-based company Elovee uses leading-edge conversation software to create a digital render of a family member that looks like them, sounds like them, and interacts like them. The conversation software is designed specifically for seniors with dementia to prevent isolation.

- *Used Technologies:* Python, Pandas, Rasa, TensorFlow, PyTorch, WaveRNN, Tacotron, DialogFlow, AWS EC2, AWS S3, AWS SageMaker, Speech-to-text APIs, Spacy, NLTK
- Worked as a outsource dedicated AI developer in New York time zone
- Ad-hoc Analysis and Exploratory Data Analysis(EDA) for performance monitoring
- KPI metric calculation/tracking pipelines
- Chatbot performance improvement, parameter tuning
- STT vendors comparisons
- Voice replication model training and usage pipeline improvement, model tuning
- Data preparations, data manipulations, labeling

Forekast (**2019 January-2019 August**): R&D's on VNGRS's forecasting product.

- *Used Technologies:* Python, Time Series Analysis, AWS SageMaker, Prophet, DeepAr
- Forecasting with multiple attributes
- Carried out the model comparisons
- Integrated AWS SageMaker into the product

Autopaper (**2018 April- 2019 August**): Classification and information extraction from document images

- *Used Technologies:* OCR Vendors, Python, Flask, Docker, Tesseract, Abbyy, Classification, Regression, Regex
- OCR Engines and OCR Services comparisons
- Feature engineering, data preparations, model training
- Backend development, tests
- Text-based classification

Internship (2018 February-2018 April)

- Completed data analysis, regression and bash scripting tasks, and PostgreSQL queries
- *Used Technologies:* Python, Jupyter Notebook, Pandas, NumPy, Matplotlib, Scikit-learn

-Skills-

Languages: Python, R, SQL
Concepts/Topics: Machine Learning and Deep Learning Algorithms, NLP, Chatbots, Forecasting, OCR, Signal Analysis
Libraries/Frameworks: Pandas, NumPy, Scikit-Learn, Matplotlib, SciPy, Spacy, NLTK, Tensorflow, Pytorch, Dask, Rapids, Flask/FastAPI
DevOps: AWS, GCP, Azure, Docker

General: Bash Scripting, Git
Foreign Languages: English(Fluent), Turkish(Native), Italian(Beginner)

-Education-

Bachelor's Degree of Mathematical Engineering, Yildiz Technical University 2013-2018
Bachelor's degree program based on applied mathematics knowledge and skills, mathematical analysis, and modeling engineering problems with software knowledge.
Istanbul Kadikoy High School 2009-2013

-Certificates/Courses-

MITx's Statistics and Data Science Micromasters Program

- Probability - The Science of Uncertainty and Data *Passed*
- Data Analysis in Social Sience *Passed*
- Fundamentals of Statistics *Passed*
- Machine Learning with Python *In Progress*

Coursera Machine Learning by Stanford University *Andrew NG*
Udemy Machine Learning, Data Science and Deep Learning with Python *Frank Kane*

-Social Activities-

Kendo 3rd Dan (Japanese Sword Martial Art), Painting (Acrylic), Music (Ableton)

-References-

Available upon request.