OZDEK Eren

Software-Engineer
Data-Engineer/Scientist

CONTACT DETAILS

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EDUCATION

2015-2018

Ecole 42

Computer science school

2012-2014

Université de Strasbourg

PACES Médecine

LANGUAGE

French: **Native**

English: **Professional**

Turkish: **Professional**

ABOUT ME

I am a developer and data-*, who is always eager to learn new things, acquire new skills and share his knowledge with other people. I have experience in several areas of computer science, although at the moment I am mainly focused on big data, and on artificial intelligence.

WORK EXPERIENCE

CHOOSE   **Mar 2018-Sep 2018**
MACHINE LEARNING ENGINEER
LANGUAGES: PYTHON, TENSORFLOW, KERAS, FLASK, SKLEARN, PYSPARK, PANDAS, SCRAPY, ELASTICSEARCH, GOOGLE CLOUD

PORT-PARALLÈLE   **Mar 2017-Sep 2017**
FREELANCER WORKED ON A GROUP PROJECT WITH CEA-LIST
LANGUAGES: UNITY, C#, PYTHON, CAFFE, OPENCV

PARTNERSHIP MATRICE-CEA   **Oct 2016 - Mar 2017**

PROJECT AIMED AT CREATING DEMONSTRATORS WITH TECHNOLOGIES DEVELOPED BY CEA-LIST, IN PARTNERSHIP WITH STRATE SCHOOL OF DESIGN.
LANGUAGES: UNITY, C# , PYTHON, CAFFE, OPENCV

ADDITIONAL ACTIVITIES

Street art guide at Art42
I have volontarly made pubic visits of the "street art museum art42" at 42. Interviews available at the following links [here] and [here].

Active member of 42AI
I personally planned and delivered courses for 42 students, focused on Computer Vision. All the courses available [here]

SKILLS

Python (openCV, pandas, numpy, flask)	Good		SQL	Good

Python (openCV, pandas, numpy, flask)	Good
Scala (IntelliJ, sbt, scalatest)	Good
C	Good
C++	Intermediate
Swift	Intermediate
Java	Beginner

Machine learning:
- Sklearn   Good
- Keras   Good
- Tensorflow   Good
- Pytorch   Intermediate

Hadoop	Intermediate
Spark	Good
Docker	Good
Kafka	Intermediate
Kubernetes	Beginner

SQL   Good
- MongoDB   Good
- Hive   Good
- Pig   Good
- Cassandra   Good
- ElasticSearch, Kibana   Good
- Redis   Intermediate

Google Cloud:
- Dataproc   Good
- Bigquery   Good
- Bigtable   Good
- Dataflow   Good
- Cloud Pub/Sub   Good

LICENCES & CERTIFICATIONS

MACHINE LEARNING

11 weeks [course link]

Stanford University / May 2017

NEURAL NETWORKS AND DEEP LEARNING

4 weeks [course link]

Deeplearning.ai / Sep 2017

IMPROVING DEEP NEURAL NETWORKS

3 weeks [course link]

Deeplearning.ai / Oct 2017

STRUCTURING MACHINE LEARNING PROJECTS

4 weeks [course link]

Deeplearning.ai / Dec 2017

CONVOLUTIONAL NEURAL NETWORKS

4 weeks [course link]

Deeplearning.ai / Nov 2017

GOOGLE CLOUD PLATFORM BIG DATA AND MACHINE LEARNING FUNDAMENTALS

2 weeks [course link]

Qwiklabs-Google / July 2019

LEVERAGING UNSTRUCTURED DATA WITH CLOUD DATAPROC ON GOOGLE CLOUD PLATFORM

1 weeks [course link]
Qwiklabs-Google / July 2019

SERVERLESS DATA ANALYSIS WITH GOOGLE BIGQUERY AND CLOUD DATAFLOW

1 weeks [course link]
Qwiklabs-Google / July 2019

SERVERLESS MACHINE LEARNING WITH TENSORFLOW ON GOOGLE CLOUD PLATFORM

1 weeks [course link]
Qwiklabs-Google / July 2019

BUILDING RESILIENT STREAMING SYSTEMS ON GOOGLE CLOUD PLATFORM

1 weeks [course link]
Qwiklabs-Google / July 2019

SEQUENCE MODEL

3 weeks [course link]

Deeplearning.ai / Feb 2018

BIG DATA ESSENTIALS: HDFS, MAPREDUCE AND SPARK RDD

6 weeks [course link]

Yandex / Mar 2019

INTRO TO DEEP LEARNING

6 weeks [course link]

Yandex / Apr 2019

COMPUTER VISION

5 weeks [course link]

Yandex / Apr 2019

FUNCTIONAL PROGRAMMING PRINCIPLES IN SCALA

6 weeks [course link]

EPFL / July 2019

FUNCTIONAL PROGRAM DESIGN IN SCALA

4 weeks [course link]

EPFL / July 2019

*Click on the title to access to Coursera's certificate

WORK EXPERIENCE IN DETAIL

CHOOSE (mobile app iOS & Android)   Mar 2018-Sep 2018

Machine Learning Engineer

Goal : "Create an item recommender system based on Convolutional Neural Networks (CNN)"
Languages: Python, Tensorflow, keras, flask, sklearn, pyspark, pandas, elasticsearch, scraping (scrapy, beautifulsoup, selenium), google cloud
The goal was to create a clothes recommander system, based on what the model learned from the image and not on the label. The advantage is that the model can extract more features per item, and that such visual features could not be described with a label, therefore providing a better suggestion. Among other tasks, I also scraped clothes websites images in order to create a good dataset, worked on many web applications to show the accuracy of my model with flask (Python), developed a recommender system using triplet loss (a learning algorithm), and another system using CNN architecture, using the framework tensorflow with keras on top of it.
I worked also on object detection, on Capsule Networks and python scripts to help my coworkers.

PORT-PARALLÈLE   Mar 2017-Sep 2017

Freelancer
Languages: Unity, C#, Python (Caffe, OpenCV)
Worked with CEA-LIST.
We made a group with other students of 42, to do freelance work.

PARTNERSHIP MATRICE-CEA   Oct 2016-Sep 2017

Main activities:
- understand how the technology developed by researchers works
- proposed ideas of demonstrator
- presented the ideas to CEA-LIST managers
- developed a prototype of demonstrators

I worked on a technology named "ELISE" developed by CEA researchers, which recognises object on images, and I created a demonstrator based on it together with a student of 42 and a designer of strate design school.

The demonstrator had two modes; first, we used a webcam to take a picture of the person's front in order to suggest the closest person with the percentage rate and to display the objects recognized. Second, we used all the person's clothes with the webcam to generate an avatar in augmented reality using vuforia. We then displayed the avatar next to the person.
To developed the prototype, we used Unity (C#) , opencv (to take a pic of person in front of the webcam), vuforia for augmented reality, python and the deep learning framework "Caffe" to retrain, the technology "ELISE" to recognize different type of clothes.