


PERSONAL INFORMATION

Fikrat Gasimov



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Sex Male | Date of birth 08/07/1995 | Nationality Azerbaijani

JOB APPLIED FOR

Data scientist

EDUCATION AND TRAINING

15/09/2017–Present

Master of Artificial Intelligence

University of Bologna, Bologna (Italy)

1.Computer Vision and Image Processing

2.Machine Learning

3.Deep Learning

4.System Theory and Advanced Control M.C.I (Optimal frequency-shaped control, Kalman Filter, Linear and Non-Linear Control)

5.Industrial Robotics M (Stiffness, Robust, Adaptive, Learning, Repetitive controls.)

6.Languages and Algorithms for Artificial Intelligence

7.Machine Learning Systems for Data Science

- Master Thesis: Deep Learning on the sphere of CNN (Convolutional Neural Network) architectures for the Task of Lane Markings Segmentation, in the space of Autonomous/Assisted driving based on Computer Vision and Image Processing

15/09/2013–04/07/2017

Bachelor degree of Automation Engineer

Glasgow University, Glasgow (United Kingdom)

1.Principles of Informatics (C language)

2.Principles of Automation Techniques

3.Programmable Logistic Controllers

4. Introduction to Artificial intelligence (Constraint Programming, Particle Swarm Intelligence, Graph-Plan)

5.Introduction to Data Mining

- Bachelor Thesis: Optimization of Two stage of Gas-Lift Wells

WORK EXPERIENCE

06/05/2014–09/12/2014

Automation Engineer

Rapid Solution, BAKU (Azerbaijan)

- Optimization of Gas-Lift Wells based on SCADA
- Controlling Gas-lift Well through PLC

Business or sector Automation Control

PERSONAL SKILLS

Mother tongue(s) Azerbaijani

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Russian	B2	A2	C1	B2	A2
Chinese	A2	A2	B1	A2	A2
English(IELTS - 7)	C2	C2	C2	C2	C2
Italian	A2	A2	A2	B1	A2
Turkish	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages - Self-assessment grid

Organisational / managerial skills

- Good communication skills gained through team collaborations for organization of projects based on Matlab and Python programming languages
- Volunteer as an interpreter in the Olympics Games of the University

Job-related skills

- Being involved in multiple challenging tasks.
- Friendly and Supportive approach toward team members for any incoming situations

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

- Programming Languages: C++, C language, Matlab software (Computer Vision and Image Processing Toolbox), Strong Python skill.
- Big data : ApachSpark on AWS server with Scala, Hadoop, Sql, Sql Server
- Virtual environments: Pip3, conda
- Dataset: COCO, ApolloScape, CityScape, Celeba, Iris, Titanic,
- Operating System : Linux and Windows
- Framework: DeepLabV3+(Atrous Spatial Pyramid Pooling), InceptionV3, Xception Network,
- TensorFlow, Pytorch, Keras, Cafee, Numpy, Matplotlib, Seaborn, Scipy, PIL, Scikit-Learn, OpenCV

Other skills

- Professional Violinist
- Boxer

ADDITIONAL INFORMATION

Publications

- 1.IJERA Journal (International Journal of Engineering Research and Application)
https://www.ijera.com/papers/Vol7_issue9/Part-1/D0709013954.pdf
- 2.Awarded on Olypic Games with Certification because of High skills performances in interms of Math, Chemistry as well as Physics

Certifications

- 1.Recommendation Letter nominated by Professor of the University of Bologna

Related document(s): Recommendation Letter.pdf

Main Projects

- Conditional Generative Adversarial Convolution Neural Network: Training with Celeba Dataset, based on 40 attributes, in order to analyse Frechet Inception Distance between two dataset. (InceptionV3 network, keras and tensorflow, Discriminator-Generator)
- Apache-Spark and Scala on AWS server: Creating Cluster and Implementation of Logistic Regression with Scala
- Machine Learning Labs : Data Exploration(Irish dataset, Titanic dataset); Logistic&Linear Regression, Pruning of Decision Tree; Classification; Clustering; Preprocessing, Association Rules
- Step by Step Implementation of Convolution Neural Network on Numpy & Pandas as well as Keras & Tensorflow
- Emotion Detection on Images of Faces on Keras
- Construction of Residual Network on Keras & Tensorflow
- Car detection with YOLO on keras
- Art Generation with Neural Style Transfer on Tensorflow
- Face Recognition and Verification on Keras & Tensorflow
- Multiple field image analysis procedure for characterization of fibre alignment in composites: Matlab Software(Computer Vision Toolbox) and C++ with OpenCV Library
- Industrial Robotics: development of PUMA560 robotic manipulator control schemes in Simulink. Lego Mindstorm classroom contest for obstacle avoidance and path following.
- Mechatronic Systems: Shape Memory Alloy actuator control scheme developed on BeagleBone with Matlab/Simulink, to control a Spring-Mass system

ATTACHMENTS

- Recommendation Letter.pdf

Recommendation Letter.pdf



DIPARTIMENTO DI INGEGNERIA INDUSTRIALE - DIN

November 18, 2019

To Whom It May Concern:

I am pleased to write a letter of recommendation for Mr. Fikrat Gasimov. I first met Fikrat during my lectures on Fundamentals of Mechanics of Machines at the University of Bologna.

As his professor, I had the opportunity to observe his participation and interaction skills within the class and to evaluate Fikrat's attention to the lectures.

I believe that Mr Fikrat Gasimov will be able to face the job, which he will be assigned to within a PhD program.

Please, do not hesitate to contact me for any further query.

With kind regards,



Vincenzo Parenti Castelli

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