

Cover letter

Masoud Akhgar

Firstly, I eagerly decided to pursue my interest in Computer Engineering with a special curiosity. This interest, coincided with experiences in Laboratory that I gained during my BSc, had led me to investigate more in graduate studies. Thus I would like to pursue and contribute to your company to participate in your mission and expand my domain of knowledge. This can be regarded as my main goal of all time to see my accomplishments as a practical outcome.

During Robotic Lab. Activities, After a year, (my patent:) I contributed to a group, containing more than ten people, choosing to research about motion learning papers, by reading a collection of ML- based novel methods, so that this attempts assigned to a commercial project and developing exoskeleton robot, using neural and recurrent networks.

As my commercial activity, (out of campus) I was invited to perform a natural language project in Persian in a company giving me a perfect experience when I classify words using the descriptions provided (using TF/IDF). It was done after preprocessing like removing stopwords, using word2vec, etc. Finally I classify the representation vectors to different groups and preparing query processing.

I am commitment to the deadlines having a sense of responsibility. Talking about my experiences and responsibilities I'd like to mention:

My last experience, the project was the estimation of the part's cost. To support the design to cost method with this project we want to use ML-oriented methods to estimate the cost of the parts based on the data records in hands to allow the non expert like a Designer, using just visible features.

It contains a lot of hidden parts in the cost and the previous interns could not present a model with lower error rate than mine, and to do so, I not only researched among papers to understand the most cutting edge technologies, but also attempt to understand the deep relation between the visualization of data/ their features and meaning behind of it or the price.

At the end, I reached around 16% error percentage in MAPE system or less than 5% in MSR system that was so satisfying for my supervisor. I am proud of mine to push practically the edge of technology and learning during this path. [read more](#)

I have always been motivated to grow professionally to be helpful to a group of people with the knowledge that I earn, and it had been proven during my previous activities. I would like to use my knowledge which makes me a good candidate for you, to be a helpful alongside reaching your goal for a longer period during my career path.



In the name of God

FUM

Ferdowsi University of Mashhad
Faculty of Engineering

Date:

Ref:

Enc:

Department of Computer Engineering,
Ferdowsi University of Mashhad,
Mashhad, Iran
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To Whom It May Concern,

I know Masoud Akhgar for about a year. It was fall 2020 when Masoud, as a B.E. student, took the "Signals and Systems" course with me. He took a score of 18.25 out of 20 in this course (average score of the course was 14.89). Because of his ability in this course, I asked Masoud to be a TA in this course.

After joining my laboratory, I know Masoud as a determined person. When he started to research HOG, he never decided to do research unless he completed and achieved it with great effort. I believe he will be able to investigate and gain anything he wants. Also, his practical skill based on his science is brilliant.

I can say that I found Masoud a trusted student for research. I strongly recommend him as a perfect choice for any research. For any further information about Masoud, please contact me.

Best Regards,

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