**Shaoyu Zhu**

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Nov 11, 2015

Lei Wang

Nexteer Automotive Corporation

1775 Research Drive

Troy, MI 48083 USA

Dear Mr.Wang:

I'm very glad I met you at the career fair on the afternoon last Thursday. I was very excited to hear that your company need people for doing some works on prediction part. I believe that my skills in research would be asset to your company.

My background includes working as a research assistant on the University of Michigan-Dearborn Intelligent System Laboratory. My work here is focusing on data statistical analysis and machine learning with the aim of developing intelligent system. I have ever worked on the Driver Wellness System project where I did analyzing the physiological data, OBD data by using the entropy and accuracy mathematical methods to select the best feature and window size for training neural network. The neural network here is a predicting system. It needs to be trained by a large number of data. After training and learning, it can achieve prediction. The prediction here is using physiological data or OBD data to forecast lane change activity and drivers’ fatigue. When I was working on the project, I practiced we skill about thinking, programing and corporation. I think all these skill can make me to do good work on the prediction part on your company.

I am confident that I can offer you the skills you are seeking. Feel free to call me at 313-447-8131 or email me at [shaoyuz@umich.edu](mailto:shaoyuz@umich.edu) to arrange an interview. Thank you for your time -- I look forward to learning more about this opportunity!

Thank you.

Sincerely,

Shaoyu Zhu