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February 28, 2019

To Whom It May Concern:

<u>Recommendation Letter for Michael Ellis</u>

It is my great pleasure to write this letter of recommendation for Michael Ellis to support his application for a computer science position at your organization. Michael is a full-time student enrolled in masters in computer science program at the University of North Carolina at Greensboro. He is performing well in all his educational goals and expected to graduate in spring 2019. Michael always brings creative ideas to our research as well.

Michael attended my Principles of Computer Networks (CSC 567) class in fall 2018 and performed exceptionally well in the class. As a part of this course requirement, Michael developed a simulator that animates network packet transmission, delivery and quality, and some of the important protocols of the TCP/IP network using Python programming language. He gained significant experience by building a graphical user interface with Python, while meeting the assignment standards for the data link, network, and transport layers of the network. He developed this simulator systematically and demonstrated his skills in software engineering methodology. Michael's simulator was one of the top simulators, developed by the students that stood out as a unique software product in class; I was impressed with his dedication, and software design and development work that he fed into the project.

Michael is one of the dynamic members of my research group and carrying out his research project under my supervision. He is leading the research in compressed sensing and compressed learning using two-state Markov chain in transition in my research group – it is one of the state-of-the-art topics in machine learning. His research involves the understanding of the transition characteristics of fMRI brain data by using compressed sensing and learning. He also led the presentation of a poster entitled "Illuminating privacy weaknesses in predictive models of fMRI data using compressed sensing and compressed learning", as an author of the poster, at the Stanford Compression Workshop on February 15th, 2019. He made a significant contribution to this research work.

Additionally, Michael displays great work ethics with honesty and integrity, and enthusiastically accepts new challenges for developing computational models to solve complex data analytics problems using machine learning techniques. He is a self-motivator and he always forces himself to find answers to solve difficult problems in a systematic way. I am very confident that he will make an outstanding contribution to the mission and vision of your organization. I strongly support his application for a computer science position at your organization. Please contact me if you need additional information!

Yours sincerely,

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Professor of Computer Science
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