

### To Whom It May Concern

I am writing recommend **Mr. Ephrem A. Yekun** for the PhD position announced in your graduate program. I have first known Mr. Ephrem Yekun as my student when he was pursuing master's in computer engineering. I taught him courses such as advanced operating systems, advanced computer networks, advanced database technology, distributed systems, and wireless sensor and ad-hoc networks. As a student, Mr. Ephrem has demonstrated deep desire for learning and great skills in programming. He showed his capability for self-learning and demonstrated clear plans on how to approach, design and solve problems in all the courses.

Mr. Ephrem is a highly skilled programmer with a strong understanding of the fundamentals of machine learning and data science. He is proficient in a variety of programming languages, including Python, Java, and C++. He is also very comfortable working with a variety of coding frameworks and libraries such as Pytorch and scikit-learn. In addition to his technical skills, Mr. Ephrem is also a gifted problem-solver. He is able to quickly grasp complex concepts and apply them to new problems. What truly sets Mr. Ephrem apart from the other students I taught is his exceptional research capability. As part of his master's thesis, he undertook an ambitious project in machine learning, although no machine learning related courses were given at the time. He focused on developing a novel optimization algorithm for optimizing parameters of a machine learning model for wind speed forecasting in wind farms. His work showcased a high level of creativity, critical thinking, and technical proficiency. He successfully implemented and evaluated the algorithms, achieving impressive results. His research capabilities can further be corroborated by the research works he has been publishing in reputable journals.

Beyond his academic achievements, Mr. Ephrem possesses excellent communication and collaboration skills. He actively participates in group discussions and presents his ideas articulately and engages in constructive debates. He also demonstrated strong leadership qualities by mentoring junior students and participating in the affairs of the department. After graduation, I had another opportunity to work closely with Mr. Ephrem when he was appointed as the chair head of Computer Engineering. He told me that he decided to become the chair head because he wanted to familiarize himself with the administrative side of academia.





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Bahrain

He was the First person to introduce an academic meeting every two weeks where faculty members from Computer and Communication Engineering present and discuss recently published papers in reputable journals.

Therefore, given Mr. Ephrem's motivation, intelligence, perseverance, analytical ability and strong teamwork and communication skills I am confident that Mr. Ephrem Yekun is a fit candidate for your program. If you have any further questions regarding him please feel free to reach me via phone or email.

Sincerely Yours'

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