

## LARRY MILKS

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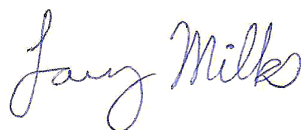
Dear Dr. Rashid,

My interest in your advanced data scientist position stems from the recent PhD research I conducted, which centers around analyzing biometric data, and harnessing this data to build assistive tools that will help individuals manage their health behaviors and improve their quality of life. Through conversation with Monica Wells in your Connected Enterprise division, I realize how closely my innovative work aligns with your own efforts in using data to improve human safety and productivity. With Monica's encouragement, I am enthusiastically applying for this posting today. As you read the bullet points below, I trust you will see that the skills and experiences I would bring to Honeywell represent a clear match for what you are seeking.

- **Data-Driven Solutions:** Poor health behaviors such as immobility, inadequate sleep, lack of exercise and malnutrition are often associated with various diseases and chronic conditions. However, negative occurrences are mitigated or prevented when proper attention is given to addressing these unhealthy behaviors during the earlier adulthood years. With mobile sensing devices such as smart phones and wearables, our multi-disciplinary team of 6 researchers has achieved data-driven knowledge discovery, which has enabled the design and development of creative applications aimed at improving individual student health behaviors. Currently 1000+ students are benefiting from this solution implementation.
- **Data Analysis Skills:** Through my research in the emerging field of mobile biobehavioral sensing, I have developed both depth and breadth in my data analysis skills. Examples include 1) developing novel Python algorithms to authenticate wearable device users, 2) managing and processing 40 petabytes of biometric data using Hadoop and NoSQL, and 3) applying a variety of machine learning algorithms for physical systems based on artificial neural networks.
- **Collaboration/Communication Skills:** Throughout my academic career, I have authored 3 scientific papers, and presented my work at 4 prestigious national conferences to both technical and non-technical audiences. Additionally, the multi-disciplinary nature of my work has afforded the opportunity to collaborate globally with 4 researchers from London and Zurich who have psychological and biological backgrounds. Through video conferencing, we were able to meet biweekly, collaborate effectively, and accomplish project objectives.

I hope that the details above have piqued your curiosity to learn more. It would be an honor to have a conversation to unpack more of my qualifications and consider how they can be leveraged as part of the Connected Enterprise team. Thank you for your consideration.

Sincerely,

A handwritten signature in blue ink that reads "Larry Milks". The signature is written in a cursive, flowing style.

Larry Milks