

Saeb Ragani Lamooki

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[Linkedin](#) [Github](#) [Portfolio](#)

OBJECTIVE

Seeking Internship in Machine Learning and Data Science for the Summer of 2021.

SKILLS

Machine Learning, Deep Learning, Data Mining

Statistical Analysis, Statistical Process Control

Signal Processing, Time Series Analysis

Programming Languages: **Python, R, Matlab, Fortran**

EDUCATION

Ph.D. Candidate <i>Mechanical Engineering</i> SUNY at Buffalo	<i>Fall 2016 - present, GPA: 3.74/4.00</i> Buffalo, NY
Master of Science <i>Mechanical Engineering</i> Eastern Mediterranean University	<i>2012 - 2014, GPA: 3.91/4</i> Magusa, Turkey
Bachelor of Science <i>Mechanical Engineering</i> K.N. Toosi University of Technology	<i>2005 to 2010, GPA: 15.10/20</i> Tehran, Iran

PROJECTS AND RESEARCH

Activity Recognition for Electric Line Workers from Single Wrist Sensor <i>Python</i> University at Buffalo	Spring 2021
Gait Analysis from IMU Signals using Statistical Process Control Techniques <i>R</i> University at Buffalo	Summer 2019
Shoulder and Back Posture Analysis from IMU and Motion Capture Data <i>Matlab</i> University at Buffalo	Ongoing
Sentiment Analysis using Vectorization and Neural Nets <i>Python</i> University at Buffalo	Spring 2020
Optimizing Post-processing Techniques to Improve Fairness in Machine Learning <i>Python</i> University at Buffalo	Spring 2020
Programming 4 Classification and 5 Clustering Algorithms Without using Libraries <i>Python</i> University at Buffalo	Fall 2019

SELECTED PUBLICATIONS (GOOGLE SCHOLAR)

A Personalized and Non-parametric Framework for Detecting Changes in Gait Cycles Submitted to the Scientific Reports Journal	2020
Challenges and Opportunities for Online Monitoring of Gait Profiles Observed from IMU... Biorob 2020 Conference	2020
Activity Recognition in Electric Line workers from a Single Wrist-Worn Accelerometer Submitted to the Institute of Industrial and Systems Engineers Journal	2021
The Impact of Image Resolution on Computation of Fractional Flow Reserve: Coronary... The International Journal of Cardiovascular Imaging	2016

TEACHING EXPERIENCE

Dynamics Systems Lab (2 semesters), Thermodynamics (4 semesters) University at Buffalo	Buffalo, NY
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