Resume

Name: Samer El Kababji

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Email: skababji@gmail.com

Linkedin: https://www.linkedin.com/in/samer-kababji-92906251/

GitHub: https://github.com/skababji

Education and Degrees:

05/2018 - 10/2021 Ph.D. Electrical & Computer Eng.
ML/AI Thesis: Generative Learning in Smart Grid
Western University, ON

09/2016-12/2017 M.Eng. Electrical & Computer Eng.
Western University, ON

09/1992 - 04/1995 M.Sc. Industrial Eng.
09/1986 - 04/1991 B.Sc. Electrical Eng.
The University of Jordan

Awards

2019, 2020 Ontario Graduate Scholarship
2019, 2021 Outstanding Graduate Symposium Presentation

Training

09/2019 Teaching Assistant Training Program
Centre for Teaching and Learning in Western University

Publications:

- S. E. Kababji and P. Srikantha, "A Data-Driven Approach for Generating Synthetic Load Patterns and Usage Habits," in IEEE Transactions on Smart Grid, Nov. 2020. Open-sourced at: https://github.com/skababji/ElecLoads
- J. Wang, S. El Kababji, C. Graham and P. Srikantha, "Ensemble-

Based Deep Learning Model for Non-Intrusive Load Monitoring," IEEE Electrical Power and Energy Conference (EPEC), 2019.

– S. El Kababji and P. Srikantha, "Power Appliance Disaggregation Framework Via Hybrid Hidden Markov Model," IEEE Canadian Conference on Electrical & Computer Engineering (CCECE), 2018.

Work experience:

– 07/2015 - PRESENT Founder/IoT Integrator/Data Scientist
Smartegrators Ltd

– 09/2019 - 04/2020 Graduate Teaching Assistant
Western University

– 06/2013 - 06/2015 General Manager
Specialized Gulf Welding Co.

– 01/2005 - 05/2013 Country Manager
Illinois Tool Works (NYSE:ITW)

– 06/2001 - 11/2003 Assistant General Manager
Mona Trading

– 09/1997 - 05/2001 Marketing Manager
EDGO Group

– 10/1994 - 08/1997 Maintenance Manager
Alnejma Bulk Pharmaceutical Co.

– 08/1993 - 09/1994 Production and Maintenance Eng.
Arab Drip Irrigation Systems

– 11/1991 - 08/1992 Research Assistant
The University of Jordan

Sample executed ML Projects:

– Generative Adversarial Network for simulating residential loads.

– Recurrent Neural Network for simulating residential loads.

– A hybrid (k-means/Hidden Markov Model) for Non-intrusive Load Monitoring.

– Cycle Generative Adversarial Network for power state estimation and false data identification.

– Sentiment analysis of financial articles.

– Real estate prediction.

– Gait speed prediction for medical applications.