Ibrahim AbuAlhaol

PhD | PEng | SMIEEE

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Summary

Principal Data Scientist @ Huawei Technologies and **Adjunct Research Professor** @ Carleton University in Ottawa, Canada. Holds a BSc, an MSc, and a PhD in Electrical and Computer Engineering. Holds an MEng in Technology Innovation Management. A senior member of IEEE and Professional Engineer (PEng) in Ontario, Canada. Interests in machine learning and big-data analytics applications in Cybersecurity and Wireless Communications. Hands-on experience in machine learning modeling, natural language processing, and real-time analytics. Excellent hands-on experience in (i) Python programming (Data analysis and mining with pandas, visualization with matplotlib/seaborn, machine learning with Scikit-learn/Spark-MLlib/TensorFlow, and natural language processing with NLTK/Gensim), (ii) Databases (SQL, MongoDB, and Cassandra), (iii) Real-time analytics (Spark streaming and Kafka), (iv) DevOps (Docker on AWS and Azure).

Education

2014–2015	**MEng in Technology Innovation Management**, *Carleton University*, Canada, GPA: 11/12.
2005–2008	**PhD in Electrical and Computer Engineering**, *University of Mississippi*, USA, GPA: 4.0/4.0.
2002–2004	**MSc in Electrical Engineering**, *Jordan University of Science & Technology*, Jordan, GPA: 84.4/100.
1995–2000	**BSc in Electrical Engineering**, *Jordan University of Science & Technology*, Jordan, GPA: 84/100.

Employment

2019-Present   **Principal Data Scientist**, *Huawei Technologies*, Ottawa, Canada.
Project Lead | Team Builder | Neural Networks (DNN,CNN,RNN) | Malware Detection and Classification

2017-Present   **Adjunct Research Professor**, *Carleton University* , Ottawa, Canada.
Graduate Students Supervision| Machine Learning | Big Data Analytics | 5G Wireless Network Personalization

2017-2019   **Senior Data Scientist**, *Larus Technologies*, Ottawa, Canada.
Business Intelligence Forecasting | LSTM Recurrent Neural Networks | Natural Language Processing | Multi-objective Optimization (MOO) | Real-time Big Data Analytics.

2015-2017   **CyberSecurity Research Scientist**, *VENUS Cybersecurity Corporation*, Ottawa, Canada.
Collective Intelligence | Machine Learning | Big Data Analytics | BGP Hijacking | DDOS Attacks.

2014-2015   **CyberSecurity Researcher**, *Carleton University and Xahive.com*, Ottawa, Canada.
Device-to-Device Wireless Security | Internet-based Communications Privacy | RSA Key Exchange | AES Encryption.

2009-2014   **Assistant Professor**, *Khalifa University of Science & Technology*, United Arab Emirates.
Supervising Graduate Students | Probability and Statistics | Wireless Communications | Modulation and Coding.

2008-2009   **Wireless System Engineer**, *Broadcom Corporation*, San Diego, USA.
3G/4G System Design | RF Compliance | 3GPP Standards | Bluetooth | WLAN.

2008-2008   **System Engineer Intern**, *Qualcomm Incorporation*, San Diego, USA.
4G Wireless Network 3GPP Standards | Analysis | Simulation | WiMAX | LTE.

2005-2008   **PhD Student/Research Assistant**, *University of Mississippi*, Oxford, USA.
Cooperative (UAV) Networks | MIMO/OFDM Systems | Formulation | Optimization | Modeling | Simulation.

Publications (http://bit.ly/ibrahimscholar)

4 Book chapters | **10** Journals | **5** Patents | **39** Conferences | **389** Google Scholar citations.