

Majed M. Alateeq

Edmonton, Alberta | alateeq@ualberta.ca | +1(780) 616-6164

EDUCATION

- 2017 - 2023 **Doctor of Philosophy** (Computer Engineering and Machine Learning)
University of Alberta, Canada
Supervisor: Dr. Witold Pedryc.
- 2014 - 2016 **Master of Science** (Computer Engineering)
University of Alberta, Canada.
Thesis: Analysis of Evolutionary Optimization Algorithms in Automated Test
Pattern Generation for Sequential Circuits
Supervisor: Dr. Witold Pedrycz.
- 2006 – 2010 **Bachelor of Science** – (Computer Engineering)
University of Idaho, USA
- 2002 - 2005 **Associate Degree** (Computer Networks)
College of Telecom and Information, KSA

ACADEMIC EXPERIENCE

- 2017 – 2023 **Machine Learning PhD Research Assistant,**
Department of Electrical and Computer Engineering
University of Alberta.
Edmonton, Alberta
- 2017 – 2022 **Teaching Assistant,** University of Alberta
- ECE 315: Computer Interfacing, Winter 2017.
 - ECE 220: Programming for Electrical Engineering, Winter 2019.
 - ECE 210: Introduction to Digital Logic Design, Fall 2019
 - ECE 311: Computer to Organization and Architecture. Fall 2020
 - ECE 212 - Introduction to Microprocessors Winter 2021
 - ECE 315 - Computer Interfacing (Jan 2022 - April 2022)
 - ECE 624 - Fuzzy Sets in Human-Centric Systems (Sep 2022 - Dec 2022)
- 08/2012 –
12/2013 **Teaching Assistant,** King Khalid University
Abha, Saudi Arabia.

PROFESSIONAL EXPERIENCE

04/2011 – **Assistant Application Programmer**
08/2012 Saudi Industrial Development Fund (SIDF)
Riyadh, Saudi Arabia.

INTERNSHIPS

02/2005 – **Computer Networks Technician:** King Abdulaziz City for
05/2005 Science and Technology (KACST), Riyadh, Saudi Arabia

CERTIFICATES

2021 Leadership Certificate, Peter Lougheed Leadership College,
University of Alberta.

2020 Post-Master's Certificate in Innovation & Entrepreneurship,
School of Business, University of Alberta, Canada.

2012 QMS Auditor/Lead Auditor “ISO 9001:2008” By the
International Register of Certified Auditors (IRCA).

2005 Computer Networks, King Abdulaziz City for Science and
Technology (KACST), Riyadh, Saudi Arabia.

CONFERENCES & TRAINING

07/2019 **Deep Learning and Reinforcement Learning Summer School,**
Hosted by the Canadian Institute For Advanced Research
(CIFAR) and the Alberta Machine Intelligence Institute (Amii),
Edmonton, Alberta, Canada

10/2017 **IEEE, The International Conference on Systems, Man, and
Cybernetics (SMC2017),** Banff, Canada.

05/2012 **E-Business Security Conference** “Prevention of Modern
Threat,” Riyadh, Saudi Arabia.

AWARDS

07/2023 **J Gordin Kaplan Graduate Student Award**
Faculty of Graduate Studies and Research (FGSR)
University of Alberta

PUBLICATIONS

M. Alateeq, W. Pedrycz, “Analysis of optimization algorithms in automated test pattern generation for sequential circuits,” *IEEE Conf. In Systems, Man, and Cybernetics (SMC)*, Banff, Canada, 5-8 Oct. 2017, pp. 1834-1839.

M. Alateeq, W. Pedrycz, “A comparative analysis of bio-inspired optimization algorithms for automated test pattern generation in sequential circuits”, *In Applied Soft Computing*, vol. 101. 2020

M. Alateeq, W. Pedrycz, “Development of Two-phase Logic-oriented Fuzzy AND/OR Network”, *In Neurocomputing*, vol. 482, no.14, pp.129-138, April 2022.

REFERENCES

References are available upon request.