

Majed M. Alateeq

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

EDUCATION

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|-------------------|--|
| 01/2017 - Present | PhD - University of Alberta, Canada.
Major: Computer Engineering and Machine Learning
Supervisor: Dr. Witold Pedrycz. |
| 01/2014 – 11/2016 | M.Sc - University of Alberta, Canada.
Major: Computer Engineering.
Thesis: Analysis of Evolutionary Optimization Algorithms in Automated Test Pattern Generation for Sequential Circuits
Supervisor: Dr. Witold Pedrycz. |
| 2006 - 2010 | B.Sc – University of Idaho, ID, USA
Major: Computer Engineering |
| 2002 - 2005 | Associate Degree – College of Telecom and Information, KSA
Major: Computer Networks. |

ACADEMIC EXPERIENCE

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| 01/2014 – present | Machine Learning Research Assistant , University of Alberta
working under supervision of Dr. Witold Pedrycz on computational/artificial intelligence and machine learning. |
| 01/2017 – present | Teaching Assistant , University of Alberta <ul style="list-style-type: none">• 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

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

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* [Accepted for publication]

REFERENCES

References are available upon request.