

Esraa Abdelhalim, Curriculum Vitae

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Nationality: Egyptian and Canadian

1. Interests: Generative AI, Human-AI Interaction, Responsible Algorithms, Cognitive Agents, Data Analytics

2. Honors and Awards:

- *Jan. 2025* - Professor of The Year Award, Supply Chain Mgt. and Business Data Analytics Area, Odette School of Business, University of Windsor.
 - *Mar. 2024* - Professor of The Year Award, Supply Chain Mgt. and Business Data Analytics Area, Odette School of Business, University of Windsor.
 - *Dec. 2020* - Nominated and selected as the best doctoral thesis to represent DeGroot School of Business in the Doctoral Consortium of the International Conference of Information Systems (ICIS)
 - *May 2020* - The Social Sciences and Humanities Research Council (SSHRC) Doctoral Fellowship Award
 - *Sep. 2017* - Ontario Trillium Award.
 - *Aug. 2017* - Next Technology Leaders Scholarship Award by the Egyptian Ministry of Telecommunications and the Technology, Innovation and Entrepreneurship Center (TIEC), Egypt.
 - *Jun. 2016* - Alex GYR Grant from Alexandria University, Egypt to conduct research at McMaster University, Canada.
 - *Nov. 2015* - TechWomen Alumni by the U.S. Department of State's Bureau of Educational and Cultural Affairs.
 - *Nov. 2015* - Certified Mentor by the Mentoring Standard Foundation, San Jose, CA, United States.
 - *Oct. 2015* - True Mozillian by Mozilla Corporation, CA, United States.
 - *May 2015* - TechWomen Emerging Leader Award by the U.S. Department of State's Bureau of Educational and Cultural Affairs.
 - *Jul. 2015* - Selected as the "Africa Code Week" program lead sponsored by SAP Co.
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3. Academic Degrees

- *Nov. 2023* - Ph.D. in Information Systems, DeGroot School of Business, McMaster University.
- Thesis Title: "The Willingness to Collaborate with AI in the Workplace: The Role of AI Autonomy and Explainability"
 - *Feb. 2015* - M.Sc. in Management Information Systems, Department of Information Systems and Computers, Faculty of Business, Alexandria University.
- Thesis Title: "Information Visibility-Based Resource Management Decisions in Universities: An Application using Radio Frequency Identification (RFID)"
 - *July 2009* - B.Sc. in Management Information Systems, Department of Information Systems and Computers, Faculty of Business, Alexandria University.
- Overall Grade: V. Good
- Rank: 1st of the academic class 2009
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4. Publications

- Ebrahimi S., **Abdelhalim E.**, Hassanein K., Head M., 2024 "Reducing the incidence of biased decisions through algorithmic transparency: An empirical study", The European Journal of Information Systems, <https://www.tandfonline.com/doi/full/10.1080/0960085X.2024.2395531>.
- **Abdelhalim E.**, Anazodo K., Gali N., Robson K., 2024 "A Framework Of Diversity, Equity, And Inclusion Safeguards For Chatbots", Business Horizons, <https://doi.org/10.1016/j.bushor.2024.03.003>.

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- **Abdelhalim E.**, Hassanein K., Head M., 2019 “The Role of Knowledge Control and Knowledge Asymmetry in Trusting and Collaborating with AI-Teammates”, The 18th Pre-ICIS Workshop, SIGHCI, Munich, Germany.
 - **Abdelhalim E.**, Yuan Y., Head M., 2018 “Understanding Trust in Online Reviews”, The 17th Pre-ICIS Workshop, SIGHCI, San Francisco, CA, 2018, Proceedings 24.
 - Abdelhalim E., El Khayat G. 2016. “A Utilization-Based Genetic Algorithm for Solving the University Timetabling Problem (UGA)”, Alexandria Engineering Journal, vol. 55(2), pp. 1395-1409.
 - **Abdelhalim E.**, El Khayat G. 2016. “An Information Visibility-Based University Timetabling for Efficient Use of Learning Spaces (IVUT)”, Egyptian Informatics Journal, vol. 17(3), pp. 315-325.
 - **Abdelhalim E.**, Khayat G. 2013. "Information Visibility-Based Resources Management in Universities". INFORMS MSOM Conference. INSEAD, Fontainebleau, France.
 - **Abdelhalim E.**, Khayat G. 2013. "The Internet of Things and Examination Systems in Higher Education". World Academy of Science, Engineering and Technology. Tokyo, Japan.
 - **Abdelhalim E.**, Khayat G. 2013. "A Survey on Analytical Approaches used in RFID Based Applications". IEEE International Conference on Computer Applications in Technology (ICAAT). Sousse, Tunisia.
 - **Abdelhalim E.**, Khayat G. and Fouad T. 2012. "RFID in Universities: Review and Proposed Application". 39th Egyptian American Scholars Annual Conference.
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5. Recent Courses and Certificates

- *May 2021* – **Microsoft** Certified Azure Data Fundamentals (DP-900)
 - *Jan. 2021* – Introduction to Artificial Intelligence using IBM Watson by **IBM** – Coursera
 - *Sep. 2020* – Mendix Rapid Developer by **Mendix Inc.**
 - *Jan. 2018* – Big Data Specialization by **University of San Diego**, USA – Coursera
 - *Aug. 2017* – Data Science and Big Data Analytics Academic Associate Certified by **Dell EMC**.
 - *July 2015* – Participant in the 5th European Business Intelligence summer school, **Erasmus+** in Barcelona Spain.
 - *Apr. 2015* – Python 2.x for Development, **University of Michigan**, Coursera- Signature Track.
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6. Community Service

- *Sep.2023 - Apr. 2024* – Research Committee member, Odette School of Business, University of Windsor, Canada
 - *Sep.2022- June 2023* – Master of Management Special Appointments Committee member, Odette School of Business, University of Windsor, Canada
 - *Aug.2019- May 2020* – Communications Director of the DeGroote Doctoral Student Association (DDSA)
 - *Apr.2018- present* – Volunteer in Women with Passion and Purpose (<https://women-giving-back.com/>)
 - *Nov.2012-Sep. 2018:* – Co-founder of Google Community for Women “Women Techmakers”, Alexandria Chapter- Egypt.
 - *May 2015- Aug. 2017* – A volunteer in the "Environmental Development and Society Service" committee at the Faculty of Business, Alexandria University.
 - *Sep.2015- Sep. 2018* – Co-Founder of a returnship program called “Heya is Back” for disadvantaged women in STEM.
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7. Employment

- *July 2022-present* – Assistant Professor of Information Systems, Supply Chain Management and Business Data Analytics Area, Odette School of Business, University of Windsor, Canada
 - *Sep.2017-Apr. 2022* – Research and Teaching Assistant at the DeGroote School of Business, McMaster University, Canada.
 - *Dec.2014- Sep. 2017* – Assistant Lecturer, Information Systems and Computers Dept., Faculty of Business, Alexandria University.
 - *May2010- Dec. 2014* – Teaching Assistant, Information Systems and Computers Dept., Faculty of Business, Alexandria University.
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8. Recent Completed Projects

- Aug. 2019-2023 - Empowering Users to Detect Data Analytics (DA) Discriminatory Recommendations”. This research seeks to design, develop and test decisional guidance tools for DA users to help them identify potentially discriminatory DA recommendations, SSHRC Insight Development Grant program.
- Sep. 2018-Present - Examining the willingness of humans to collaborate with Artificial Intelligence (AI) in the workplace.
- Sep. 2017- Sep. 2023 - McMaster Digital Transformation Research Centre (MDTRC), The Use of NeuroIS to Examine Behavioral Aspects of Older Adults.
- Nov.2015-Aug. 2017 - University Quality Management and Assurance Project by the Quality Assurance Unit, Faculty of Business- Alexandria University
- Apr.2017-Jul.2017 - Developing Curriculum using Moodle in the “Distance Learning and Pedagogical Innovation –ADIP” Project, Co-funded by the Tempus Program of the European Union (<http://www.tempus-adip.org/>)
- Oct.2015- Nov. 2015 - Understanding Mozilla's Competitors through the Social Media Management platform, Sprinklr, Mozilla Corporation, USA.
 - Understanding Mozilla's User Privacy Perceptions in the Middle East and North Africa using Sprinklr Platform, Mozilla Corporation, USA.
 - Building Crash Report Dashboard for Mozilla Firefox using Sprinklr, Mozilla Corporation, USA.
- Aug.2013- Jan. 2015 - Developing a genetic algorithm solution for the university course timetabling and space utilization problem using *Java programming* and PostgreSQL 9.3 as a database management system, Faculty of Business, Alexandria University- Egypt.

9. Recent Teaching Experience

- Introduction to Management Information Systems (Winter 2023, 2024, and 2025)
- 3KA3- Systems Analysis and Design (Winter 2021 and 2022)

10. Teaching Assistantship Experience at DeGroote School of Business

- MBA D700: Case Analyses and Presentations
- 2KA3: Information Systems in Business
- 3KA3: Systems Analysis and Design

11. Teaching Assistantship Experience at Alexandria University

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| - Integrated Information Systems (SAP-ERP) | - Introduction to Java programming. |
| - Logistics and Supply Chain Management | - Introduction to Python |
| - Decision Support and Expert Systems | - Introduction to Objective-C |
| - Systems Analysis and Design. | - Information Technology Infrastructure. |
| - Fundamentals of Management Information Systems | - Introduction to Technology and Information Systems |
| - Advanced Topics in Management Information Systems | |

12. Computer Skills

Advanced Excel, Hadoop, Spark, Jupyter Notebook, SPSS, JMP, IBM Watson, and Tableau.

13. Programming Languages

- Java, Python, R

14. References

- Dr. Khaled Hassanein, Professor of Information Systems and Dean of the DeGroote School of Business, Canada (hassank@mcmaster.ca)
 - Dr. Milena Head, BMath, MBA, Ph.D. Professor of Information Systems, DeGroote School of Business, Canada (headm@mcmaster.ca)
 - Dr. Brian Detlor, Professor and Area Chair of Information Systems, DeGroote School of Business, Canada (detlorb@mcmaster.ca)
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