

Name: IYAD SULEIMAN

CURRICULUM VITAE

Personal Details

Full Name: Iyad Suleiman

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Higher Education

Period of Study	Name of Institution and Department	Degree	Year of Approval of Degree
2019-2021	Technion, Israel Institute of Technology, Haifa Education in Science and Technology Faculty	B.Sc. in Education in Science and Technology	2022
2009-2013	University of Bradford, UK School of Informatics	Ph.D. in Computer Science	2014
2004-2005	University of Haifa Business and Management School	MBA in Business Administration	2006
2001-2004	University of Haifa History of the Middle East Department	MA, History of the Middle East	2006
1991-1992	Technion, Israel Institute of Technology, Haifa Industrial Engineering Faculty	B.Sc. in Information Systems Engineering	1993
1982-1986	Technion, Israel Institute of Technology, Haifa Computer Science Faculty	B.Sc. in Computer Science	1986

Academic Ranks and Tenure in Institutes of Higher Education

Dates	Name of Institution and Department	Rank/ Position	Job weekly hours	Job percentages
2023- Today	Tzefat Academic College	Lecturer	3	15%
2018-Today	Kinneret Academic College	Lecturer	10	85%
2019- Today	Tel-Hai Academic College	Lecturer	5	31%
2017-2019	Emek Yezreel Academic College	Lecturer	--	--
2016-2017	Shenkar Academic College – Ramat Gan	Senior Lecturer	--	--

Active Participation in International Conferences

Date	Name of conference	Place of conference	Subject of lecture/discussion	With
October 24-26, 2023	Ireland International Conference on Education (IICE-2023)	Dún Laoghaire, Ireland	Predicting murder of women by using Machine Learning	Rula Jiryis
July 10-14, 2023	EdMedia + Innovate Learning 2023 hosted by Univ. of Vienna	Vienna, Austria	Project based Learning with Peer Assessment in a Characterization and Design of Information Systems Course	---
22/04/2023-24/04/2023	InPACT 2023 Conference	Lisbon, Portugal	A Model for Predicting School Readiness using Data Mining Techniques	---
06/07/2021	15th ILAIS Conference	The Open University of Israel & AIS -Israel	Project based Learning with Peer Assessment in a Characterization and Design of Information Systems Course	---
17/04/2020-19/04/2020	International Psychology Conference	Barcelona, Spain	A Model for Predicting School Readiness using Data Mining Techniques	---
19/07/2019-21/07/2019	The International Academic Forum (IAFOR) The 7th European Conference on Education (ECE2019)	London, UK	Swarm intelligence Framework for Tutoring	---
16/04/2015-17/04/2015	Global Learn-Global Conference on Learning and Technology	Berlin, Germany	Implementation of a modified multi objective optimization GA algorithm in a Stealth Assessment for School Readiness	Dr. Maha Arslan
28/11/2012-01/12/2012	International Association for the World Conference on Psychology and Sociology,	Antalya - Turkey	Integrating Genetic Algorithm into the Development of Computerized Play-Based Assessment tool for School Readiness	Dr. Maha Arslan
04/08/2010-06/08/2010	The 11th IEEE International Conference on Information Reuse and Integration (IRI 2010)	Las Vegas, USA	The Power of Genetic Algorithm in Automated Assessment of School Readiness	Dr. Maha Arslan
26/05/2008-	10th	Athens,	Integrating a Modified	Dr. Maha Arslan

Date	Name of conference	Place of conference	Subject of lecture/discussion	With
29/05/2008	International Conference on Education. Athens, Greece	Greek	Genetic Algorithm into Computerized Assessment tool for School Readiness	

Active Participation in Local Conferences

Date	Name of conference	Place of conference	Subject of lecture/discussion	With
05/04/2005	Health of the Arab Palestinian minority in Israel,"	Galilee Society for research and health services Shefamr.	Diagnostic kindergarten children exposed to the risk of learning difficulties	Dr. Maha Arslan
21/12/2002	Innovations in the diagnosis and treatment of learning in the area of Learning Disabilities,"	Sakhneen College for qualifying teachers Sakhnin,	Computerized system for the diagnosis of learning difficulties in early childhood	Dr. Maha Arslan

Research Grants

Year	Co-Researchers	Topic	Funded by/ Amount
2004	Maha Arslan and Tamer Salman	Developing Modified GA in a Play-based assessment tool kit for Pre-School Children	Israeli Chief Scientist - Ministry of Industry and Trade / \$140,000
2001	Maha Arslan and Yoav Bar	Developing Play-based assessment tool kit for Pre-School Children	Israeli Chief Scientist - Ministry of Industry and Trade / \$360,000

Scholarships, Awards, and Prizes

Year	Prize
2019	The 3 rd prize was chosen for the IOU – I Owe You Project, developed by the students Albakhar HareEl and Korsias Moshe, led by Dr. Iyad Suleiman in the Conference of the final projects of the Department of Information Systems at Emek Yezreel Academic College 2019
2018	The first prize was chosen for the Water Corporation Management Project, developed by the team Atias Liab and Hazan Dvir, led by Dr. Iyad Suleiman in the Conference of the final projects of the Department of Information Systems at Emek Yezreel Academic College

Teaching

Courses Taught in Recent Years

Year	Name of course	Degree
2025	Compiler Structure	B.Sc.
2024	Laboratory in Machine Learning	B.Sc.
2024	Laboratory in Compiler Structure	B.Sc.
2023	System and Software Architecture	B.Sc.
2021-2023	Business intelligence	B.Sc.
2020-2023	Project in Information Technologies	B.Sc.
2021	Information Systems 1	B.Sc.
2021	Information Systems 2	B.Sc.
2021	Information Systems Seminar in the age of Big Data	B.Sc.
2021	Computation Theory	B.Sc.
2020-2021	Information Technologies	B.Sc.
2020-2021	Introduction to C Language	B.Sc.
2020-2021	Advanced Topics in Software Development	B.Sc.
2020	Internet Technologies	B.Sc.
2020-2021	Information Systems for Managers	B.A.
2020	Gaming Theory	MBA
2019-2022	Principles of Artificial Intelligence	B.Sc.
2019-2022	Data structure and algorithms	B.Sc.
2019-2021	Scripting Languages and their Applications in Machine Learning	B.Sc.
2019-2022	Automata and Formal Languages	B.Sc.
2019	Software Quality Assurance	B.Sc.
2018-2020	Introduction to Information Systems	B.Sc.
2018-2020	Electronic Commerce Information Systems	B.Sc.
2018	Introduction to Python	B.Sc.
2016-2019	Data structure and algorithms	B.Sc.
2016-2017	Principles of Data Science	B.Sc.
2017-2020	Application development for Smartphones	B.Sc.
2016-2019	Characterization and Design of Information Systems	B.Sc.
2017-2019	Introduction to Operating Systems	Practical Engineer
2017-2020	Introducing the Linux Operating System	Practical Engineer
2017	Analysis and Object-Oriented Design	Practical Engineer
2017	Database systems – SQL 3	Practical Engineer

Non Academic Activities and Positions

Year	Activity / Position
2008-2023	Establishment of an Elementary School in Rama village Co-Founder and Co-Manager of Life School for Creativity and Uniqueness
2001-2012	DevOps Manager at Alfabet, Nazareth
2005-2011	Regional Director at Life for Relief and Development, Nazareth
2001-2006	Technological Entrepreneur and Technical Lead at aljamiado™ Learning Technologies, Migdal HaEmek

Participation in workshops on the art of “Diary writing” under the supervision of Tunisian Writer Kamal Riahi, organized by the House of Fiction in Canada

Period	Workshop
09/2024-04/2025	Letters and Diaries - Personal letters: Written correspondence (often intimate or reflective) between individuals, Diaries: A creative writing program focusing on first-person narrative, memory, and personal storytelling
02/2024-05/2024	Narrative Approach - Using stories to make sense of the world, us, or others.
10/2023-12/2023	The Art of Diary - practice, craft, and creative expression involved in writing personal diaries or journals. It emphasizes turning ordinary reflections into meaningful, literary, or therapeutic writing.

Miscellaneous

My recent research interests are in the fields of Genetic algorithms, Social networks, Cross-Platform applications and Data mining.

Until the end of 2012, I worked as a DevOps Manager at Alfabet. located in the NBIC in Nazareth, the company specialized in the fields of Management, Billing, Education, on-line tools, mobile applications and more.

In 2006, I established a unique educational project in the village of Rama, in the school we are teaching the core program according to the requirements of the Ministry of Education, in addition we are teaching: Chess, Programming language , Science, Creative writing, Robotics, Mathematics according to Singapore, Arabic under the new program of the Ministry of Education, Hebrew and English starting from first grade, Photographing, Chinese Language with the cooperation with the Chinese Embassy. Currently the school contains 6 classes from the first grade through sixth grade, the school is approved by the Ministry of Education and also the Preschool class and the two Kindergarten classes;

In 2001, I established a Technological Incubator Software Project in Migdal Haemek, I started the project in early 2001, we developed a kit to test Readiness of Preschool Children, a special algorithm was integrated into the Computerized Play based tool, it allows to assess the child according to her/his abilities and skills.

Publications

M.A. Thesis

Suleiman, I. (2006). Pan-Arab Organizations Attitude towards the Development of Knowledge-based Industries and their contribution to the success of Technological Entrepreneurship in the Arabic states between the years 1996-2002: Prof. Gad Gilbar, Haifa University. [Hebrew]

Ph.D. Dissertation

Suleiman, I. (2013). Integrating Data Mining and Social Network Techniques into the Development of Web-based Adaptive Play-Based Assessment Tool for School Readiness: Prof. Mick Ridley and Prof. Reda Alhajj, Bradford University.

Articles in Refereed Journals

1. Arslan M., **Suleiman I.**, Alhajj, R., & Ridley, M. (2018). Framework for Assessing School Readiness. *International Journal of Scientific and Engineering Research*, 9(1), 1956-1976. **(IF:4.2)**
2. **Suleiman I.**, Arslan M., Alhajj, R., & Ridley, M. (2018). A Cross-platform model for an adaptive play-based assessment tool for school readiness. *International Journal of Scientific and Engineering Research*, 9(1), p.1945-1955. **(IF:4.2)**
3. **Suleiman I.**, Arslan M., Alhajj, R., & Ridley, M. (2017). Prediction of Preschool Children using Data Mining Techniques. *Journal of Information & Knowledge Management* 16(2):1750023. July 2017 **DOI: 10.1142/S021964921750023X**
4. **Suleiman I.**, Arslan M., Alhajj, R., & Ridley, M. (2017). Prediction Model of School Readiness. *International Journal of Scientific and Engineering Research*, 8(3), 644-668. **(IF:4.2)**
5. **Suleiman I.**, Arslan, M., Alhajj, R., & Ridley, M. (2016). Editors-in-Chief: R. Huang; G.-J. Hwang; S.-C. Kong; W. Chen. The Power of on-line Genetic Algorithm in Stealth Assessment for School Readiness. *Journal of Computers in Education*, 3, 209-246. DOI 10.1007/s40692-016-0054-5.
6. Nagi, M., Elhajj, A., Addam, O., Qabaja, A., Zarour, O., Jarada, T., Gao, S., Jida, J., Murshed, A., **Sleiman, I.**, Özyer, T., Ridley, M. and Alhajj, R. (2012) 'Robust framework for recommending restructuring of websites by analysing web usage and web structure data', *Int. J. Business Intelligence and Data Mining*, Vol. 7, Nos. 1/2, pp.4–20.
7. **Suleiman, I.**, Goo, S., Arslan, M., Salman, T., Polat, F., Alhajj, R. & Ridley, R. (2011). 'Automated Learning for Assessment of School Readiness: Effectiveness of Reusing Information from Child's Social Network', Springer-Verlag, 2011.

Articles in Conference Proceedings

Published

1. **Suleiman I.**, Jiryis, R. (2023). Predicting murder of women by using Machine Learning. Ireland International Conference on Education (IICE-2023), Dún Laoghaire, Ireland, October 24-26, 2023.

2. **Suleiman, I.** (2023). Project based Learning with Peer Assessment in a Characterization and Design of Information Systems Course, EdMedia + Innovate Learning 2023 hosted by Univ. of Vienna to be held in Vienna, July 10-14, 2023
3. **Suleiman, I.** (2023). A Model for Predicting School Readiness using Data Mining Technique. InPACT 2023 Psychology Conference in Lisbon, Portugal, 22 to 24 of April 2023.
4. **Suleiman, I.** (2021). Project based Learning with Peer Assessment in a Characterization and Design of Information Systems Course. 15th ILAIS Conference, The Open University of Israel & AIS - Israel, July 6, 2021.
5. **Suleiman, I.** (2020). A Model for Predicting School Readiness using Machine Learning. *Proceedings of International Psychology Conference (20PC10ES)*, Barcelona, April 17-19, 2020.
6. **Suleiman, I.** (2019). Swarm intelligence Framework for Tutoring. *Proceedings of The 7th European Conference on Education (ECE2019)*, IAFOR - *The International Academic Forum*, London, July 19-21, 2019.
http://papers.iafor.org/wp-content/uploads/papers/ece2019/ECE2019_52763.pdf
7. **Suleiman, I.**, Arslan, M., Alhajj, R., Ridley, M. (2015). Implementation of a modified multi objective optimization GA algorithm in a Stealth Assessment for School Readiness. *Proceedings of AACE, Global Conference on Learning and Technology*, Berlin, 852-857.
8. **Suleiman, I.**, & Arslan, M. (2013). Integrating Genetic Algorithm into the Development of Computerized Play-Based Assessment tool for School Readiness. *Procedia - Social and Behavioral Sciences, Antalya*, 82, 852 – 857.
9. Peng, P., Nagi, M., Sair, O., ElSheikh, A. M., **Suleiman, I.**, Gao, S., Özyer, T., Kianmehr, K., Naji, G., Ridley, M., Rokne, J., & Alhajj, R. (2011). “From Alternative Clustering to Robust Clustering and Its Application to Gene Expression Data”, *Proceedings of the International Conference on Intelligent Data Engineering and Automated Learning*, Springer-Verlag LNCS, Norwich, UK, Sep. 2011.
10. Nagi, M., ElSheikh, A., Rifaie, M., **Suleiman, I.**, Peng, P., Karampelas, P., Alhajj, R., & Ridley, M. (2011). “Association rules mining based approach for web usage mining”, *Proceedings of IEEE International Conference on Information Reuse and Integration*, Las Vegas, Aug. 2011.
11. **Suleiman, I.**, Salman, T., Gao, S., Polat, F., Arslan, M., Alhajj, R., & Ridley, M., (2010). The power of genetic algorithm in automated assessment of school readiness. *Proceedings of IEEE International Conference on Information Reuse and Integration*, Las Vegas, 280-285.

Articles or Chapters in Refereed Books

Published

1. **Suleiman, I.**, Gao, S., Salman, T., Polat, F., Arslan, M., Alhajj, R., & Ridley, M. (2012). Effectiveness of Automated Learning in Assessment of School Readiness. In T. Ozyer, K. Kianmehr, & M. Tan (Eds.), *Recent Trends in Information Reuse and Integration* (pp. 97-114). New York:Springer-Verlag.

Articles in preparation

1. **Suleiman, I.**, Arslan, M. (in prep.) School Readiness Model using Causal Inference.
2. **Suleiman, I.** (in prep.) Potential outcomes of subsidized medical care Evaluating premature birth Odds Ratios
3. **Suleiman, I.** (in prep.) The Causal Effect of The Referee on A Game's Score
4. **Suleiman, I.** (in prep.) Predicting a new student's Math grade based on previous students' grades
5. **Suleiman, I.** (in prep.) Predicting Ready to Learn for Preschool Children using Machine Learning
6. **Suleiman, I.** (in prep.) Predicting Social Workers needs in the field of Gender-based Violence in the Arab Sector inside Israel