

MARYAM VALIAN

INSTRUCTOR

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OBJECTIVE

Dedicated and experienced university instructor with a strong background in Computer Science, seeking a challenging position to contribute my expertise and passion for education.

EXPERIENCE

Teaching Assistant

[McMaster University, Hamilton, Ontario, Canada] [2022] - [Currently]

- Assisted in the instruction of the following undergraduate courses: Database, and Computer Architecture.
- Conducted tutorials, graded assignments, and provided support to students.
- Collaborated with faculty to enhance course materials and improve the learning experience.

University Instructor

[Azad University, and Payam Noor University, Karaj, Iran] [2012] - [2022]

- Taught the following courses to undergraduate students: Database, Data structure, Formal languages and automata, Computer architecture, Network and Routing(Cisco Router and switch configuration), Artificial intelligence foundation, Programming (C++, Java, Phyton), Web-based Programming (HTML& CSS)
- Developed and delivered lectures, designed course content, and assessed student performance.

EDUCATION

Doctor of Philosophy (Ph.D.) in Computer Science

[McMaster University, Hamilton, Ontario, Canada] [2022] - [Expected Year of Graduation:2026]

Master of Engineering in Software and Computer

[Azad University of Zanjan, Iran] [2009] - [2012]

Bachelor of Engineering in Software and Computer

[Azad University of Zanjan, Iran] [2002] - [2006]

LANGUAGES

English (IELTS Score 7), French (A1), Persian (Native), Turkish (Fluent)

PUBLICATIONS

Journal Paper

A novel method for Bayesian networks structure learning based on Breeding Swarm algorithm Ali Reza Khanteymoori , Mohammad-H Olyaei , Omid Abbaszadeh , and Maryam Valian. Soft Computing, 2018

Conference Paper

Valian, Maryam & Amiri, Ali. A New Approach for Structural learning in Bayesian Networks Based On local best PSO. Iranian National Conference on Data Mining, AmirKabir University, Tehran, Iran, 2011.

Book

Getting ready for the exam in artificial intelligence, Maryam Valian, Ketab-e-rah, Gisoom publication, Iran, 2018. (The book is written in Farsi language)

AWARDS

- Scholarship Annual scholarship for 4 years from McMaster University.
- Award of 3rd position in the best poster presentation of Computing and software Department/ McMaster University.

CERTIFICATES

Teaching and Evaluation Techniques (8 hours workshop). Kharazmi University, Karaj, Iran.

VOLUNTEERING

The program committee member of ONDBD (Ontario Database Day Conference) held at McMaster University, 2023.