

# MARYAM VALIAN

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## OBJECTIVE

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

## EXPERIENCE

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| <b>Teaching Assistant</b>    | <p>[McMaster University, Hamilton, Ontario, Canada] [2022] - [Currently]</p> <ul style="list-style-type: none"><li>Assisted in instructing the following undergraduate courses: Database, and Computer Architecture.</li><li>Conducted tutorials, graded assignments, and provided support to students.</li><li>Collaborated with faculty to enhance course materials and improve the learning experience.</li></ul>  |
| <b>University Instructor</b> | <p>[Azad University, and Payam Noor University, Karaj, Iran] [2012] - [2022]</p> <ul style="list-style-type: none"><li>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&amp; CSS)</li><li>Developed and delivered lectures, designed course content, and assessed student performance.</li></ul> |

## EDUCATION

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### **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

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

## PUBLICATIONS

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### 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, Amir-Kabir 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

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

## CERTIFICATES

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Teaching and Evaluation Technique, (8 hours workshop). Kharazmi University, Karaj, Iran, 2016.

## VOLUNTEERING

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