

# Curriculum Vitae

**Mohammadmehdi Morovati**

Cell phone: +1(514) 701-1455

Email: mm.morovati@gmail.com

## Education

Aug. 2019- Now Montreal, Canada	<b>PhD.</b> in Software Engineering Polytechnique Montréal, Computer Engineering. Dept - Working on quality assurance of AI-enabled systems
Sep. 2010- Feb. 2013 Kashan, Iran	<b>M.Sc.</b> in Software Engineering University of Kashan, Electrical and Computer Eng. Dept.
Sep. 2006- Dec. 2008 Shiraz, Iran	<b>B.Sc.</b> in Computer Engineering (Software) Technical and Vocational university of Shiraz, Shahid Bahonar
Sep. 2004- Sep. 2006 Shiraz, Iran	<b>Associate degree</b> in Computer Engineering (Software) Technical and Vocational university of Shiraz, Shahid Bahonar

## Teaching Experience

2015-2016 Shiraz, Iran	<b>Lecturer</b> , Technical and Vocational university of Shiraz (Shahid Bahonar) - Advanced Programming - Special Topics in Programming - Software Engineering - Foundations of Internet Engineering
2014 Shiraz, Iran	<b>Lecturer</b> , Payame Noor University, Shiraz Branch, Shiraz - Workshop of "How to Write effective research paper."
2012 Kashan, Iran	<b>Teaching Assistant</b> , Department of electrical and computer Engineering - Design Algorithms

## Work and Practical Experience

2023-Now Montreal, Canada	Intern (part time), Ericsson, GAIA department ML engineer of "Sustainable and Green AI" project
2020- Now Montreal, Canada	Member and scholar in DEEL ( <i>DEpendable and EXplainable Learning</i> ) project. Working on reliability management and failure taxonomy of AI-enabled systems.

2020-2021 Montreal, Canada	Intern (part time), TECHNO AÉRO SERVICES (TAS) Co. "AI-Based Automation of the Candidate Recruitment and Management System" project. Working on the analysis of textual information (resume, emails, chats, etc.) of candidates.
2019 Tehran, Iran	Accepted to work in the <b>Central bank of Iran</b> (full time) as Software System Admin On behalf of <b>Information Services Corporation</b> (successful in 6 stages of entrance exams and interviews)
2018-2019 Tehran, Iran	Software test engineer, automation test (full-time): Working in <b>MTN Irancell</b> (Iran's greatest mobile data operator), on behalf of <b>Mohandes Pishegan Azmoon Afzar Yas</b>
2016- 2018 Tehran, Iran	J2EE developer (full-time): Working in <b>MAGFA IT Development Center (the best IT company in Iran)</b>
2013-2016 Shiraz, Iran	Full stack developer: <b>Noavaran Sitka Novin Gostar</b> Co. (full time)
2012 Kashan, Iran	Membership of <b>MAHTAB Super Computer Project</b> , development and maintenance
2009 Shiraz, Iran	Technical manager and ASE.Net developer: working at <i>Saadi's Computer Company</i>

## Recent Papers

---

- [1] Morovati, M. M., Nikanjam, A., Khomh, F., & Ming, Z. (2023). Bugs in Machine Learning-based Systems: A Faultload Benchmark. Empirical Software Engineering Journal (special issue on Software Testing in the Machine Learning Era) 28(3), 62.
- [2] Morovati, M. M., Nikanjam, A., Tamboon, F., Khomh, F., & Ming, Z. (2023), Bug characterization in machine learning-based systems, Accepted in Empirical Software Engineering journal (Special issue on Machine Learning Techniques for Software Quality Evaluation).
- [3] Nikanjam, A., Morovati, M. M., Khomh, F., & Ben Braiek, H. (2022). Faults in deep reinforcement learning programs: a taxonomy and a detection approach. Automated Software Engineering, 29(1), 8.
- [4] Nikanjam, A., Braiek, H. B., Morovati, M. M., & Khomh, F. (2021). Automatic fault detection for deep learning programs using graph transformations. ACM Transactions on Software Engineering and Methodology (TOSEM), 31(1), 1-27.

## Languages

---

- Persian (Native Language)
- English (Upper Intermediate)
- French (Lower Intermediate)