



Niloofar Gholipour

Personal Info

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Research and Work experience

- 2020-2022 Researcher at Iran Telecommunication Research Center (ITRC)
- 2021 Review paper of Journal Concurrency and Computation: Practice and Experience
- 2016-2018 Research Development internship at ITRC working on subjects including Cloud computing and OpenStack
- 2010-2011 Hardware technical support at Pardazeshgaran company

Voluntary Experience

- 2022-ongoing **Women in AI** association-Montreal Community
- 2017-2018 **IEEE Membership executive** at Science and Research branch of Azad University of Tehran
- 2015-2017 Head of public relations in environmental NGO named, Clean Earth Lovers Association

Education

PhD

2022-Ongoing PhD student at Ecole de Technology Superior, University of Quebec.

Supervisor Marcos Dias de Assuncao, Julien Gascon-Samson, Rajkumar Buyya

Topic Multi-Criteria Scheduling of Data Processing Applications on Heterogeneous Edge Computing Environments

Master

2015-2018 M.Sc. in Computer architecture system, Science and Research branch of Azad University of Tehran, Iran.

Supervisor Ehsan Arianyan, Ahamad Khademzadeh, Midia Reshadi

Topic Cloud computing

Bachelor

2009-2013 B., E. in Computer Engineering, Mazandran University of science and technology

Topic Designing FlipFlop

Publication

- Paper(2021) **Gholipour, N.**, Arianyan, E., Buyya, R. (2021). Recent Advances in Energy Efficient Resource Management Techniques in Cloud Computing Environments. Springer, New Frontiers in Cloud Computing and Internet of Things journal.
- Paper(2020) **Gholipour, N.**, Shoeibi, N., Arianyan, E. (2020, June). An Energy-Aware Dynamic Resource Management Technique Using Deep Q-Learning Algorithm and Joint VM and Container Consolidation Approach for Green Computing in Cloud Data Centers. In International Symposium on Distributed Computing and Artificial Intelligence (pp. 227-233). Springer, Cham.
- Paper(2020) **Niloofer Gholipour**, Arianyan, E., Buyya, R. (2020). A novel energy-aware resource management technique using joint VM and container consolidation approach for green computing in cloud data centers. Simulation Modelling Practice and Theory, Elsevier, 102127
- M.Sc. Energy-aware resource management technique considering performance in cloud data center thesis(2019)

Personal Skills

- software Cloudsim, Overleaf, Microsoft word and excel, linux, Pspice
- Programming Java, python, C++, C

Additional information

Graduate Courses

Mazandran University Of Science and technology

- 2011 Operating System with Hadi Salimi, (18/20)
- 2012 Logical circuits with Asghar Paridel, (19/20)
- 2013 VLSI with Mohammad Gholami (18/20)

Science and Research branch of Azad University of Tehran

- 2015 Intercommunication Networks with Midia Reshadi (19/20)
- 2016 Big Data with Homan Zarabi (20/20)
- 2017 Secure Computer System with Ahmad KhademZadeh (19.50/20)
- 2017 Test and testability with Ahmad KhademZadeh (19/20)

Voluntary participation

Amirkabir University of Technology

- 2019 Big data Analysis with Saeed Sharifian
- 2019 Parallel Computing with Mahmoud MomtazPour
- 2019 Advanced Computer Architecture System with Hamd Farbeh

Honours and awards

- Bachelor's degree 8th
- Master's degree (Rank A)

Research Interests

- Cloud/ fog/ Edge Computing, Distributed system, Big data, Machine Learning