

Biographical Sketch

Assistant Professor
Computer Science & Engineering Department
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(a) Research Positions

University of South Carolina, Columbia, SC, USA	Computer Science	Assistant Professor	2018–Present
Google, Mountain View, CA, USA	Computer Science	Visiting Researcher	2021–2022
Carnegie Mellon University, Pittsburgh, PA, USA	Computer Science	Postdoc	2016–2018
Imperial College London, London, UK	Computer Science	Postdoc	2015–2016
Dublin City University, Dublin, Ireland	Computer Science	Ph.D.	2014
Amirkabir University of Technology, Tehran, Iran	Industrial Engineering	M.S.	2006
Amirkabir University of Technology, Tehran, Iran	Computer Science	B.S.	2003

(b) Selected Publications

1. S. Iqbal, Z. Zhong, I. Ahmad, B. Ray, P. Jamshidi, *CAMEO: A Causal Transfer Learning Approach for Performance Optimization of Configurable Computer Systems.*, **SoCC’23** [AR: 29% (29/100)].
2. S. Ghafouri, K. Razavi, M. Salmani, A. Sanaee, T. Lorido-Botran, L. Wang, J. Doyle, P. Jamshidi, *IPA: Inference Pipeline Adaptation to Achieve High Accuracy and Cost-Efficiency*, **JSys**, 2023.
3. A. Hossen, S. Kharade, B. Schmerl, J. Cámara, J. M. O’Kane, et. al., P. Jamshidi, *CaRE: Finding Root Causes of Configuration Issues in Highly-Configurable Robots*, **RA-L & IROS’23**.
4. S. Iqbal, J. Su, L. Kotthoff, P. Jamshidi, *FlexiBO: Cost-Aware Multi-Objective Optimization of Deep Neural Networks*, **JAIR**, 2023.
5. S. Iqbal, R. Krishna, M.A. Javidian, B. Ray, P. Jamshidi, *UNICORN: Reasoning about Configurable System Performance through the lens of Causality*, **EuroSys’22** [AR: 27% (45/161)].
6. M. Velez, P. Jamshidi, N. Siegmund, S. Apel, C. Kästner, *White-Box Analysis over Machine Learning: Modeling Performance of Configurable Systems*, **ICSE’21** [AR: 23% (138/602)].
7. M. Javidian, M. Valtorta, P. Jamshidi, *Learning LWF Chain Graphs: A Markov Blanket Discovery Approach*, **UAI’20** [AR: 27% (142/515)].
8. P. Jamshidi, J. Camàra, B. Schmerl, C. Kästner, D. Garlan, *Machine Learning Meets Quantitative Planning: Enabling Self-Adaptation in Autonomous Robots*, **SEAMS’19** [AR: 28% (10/36)].
9. P. Jamshidi, N. Siegmund, M. Velez, C. Kästner, A. Patel, Y. Agarwal, *Transfer Learning for Perf. Modeling of Configurable Systems: An Exploratory Analysis*, **ASE’17** [AR: 21%(67/322)].

(c) Teaching Experience

CSCE 212: Introduction to Computer Architecture	https://pooyanjamshidi.github.io/csce212/
CSCE 580: Artificial Intelligence	https://pooyanjamshidi.github.io/csce580/
CSCE 585: Machine Learning Systems	https://pooyanjamshidi.github.io/mls/

(d) Synergistic Activities

1. Recipient of University of South Carolina’s 2022 **Breakthrough Stars Award**: <https://t.ly/O9xx>
2. Actively contributing to **Open Source Software**: <https://github.com/pooyanjamshidi>
3. Promoting **Diversity in CS**: <https://pooyanjamshidi.github.io/diversity/>
4. Faculty mentor of **Gamecock Robotics**: <https://gamecockrobotics.github.io/>