

Farzad ABDOLHOSSEINI

M.Sc. in Computer Science | B.Sc. in Software Engineering

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✓ ABOUT ME

Experienced in **machine learning** and **data science**, with a software engineering background.

Published works in **computer vision**, **reinforcement learning**, and **bioinformatics**.

Witnessed a successful startup exit with Xnor.ai (bit.ly/39eWVnM).

🎓 EDUCATION

2017 - Oct 2019 **M.Sc. in Computer Science (Machine Learning)** at the **University of British Columbia**. GPA : 4.0

2013 - July 2017 **B.Sc. in Software Engineering** at **Sharif University of Technology**. GPA : 94%

2009 - July 2013 Diploma in Mathematics and Physics Discipline at Allame Helli 1 High School. GPA : 99%

📁 PROFESSIONAL EXPERIENCE

April 2023 Now	Founding Engineer, FIXIE AI Inc. <ul style="list-style-type: none">Training and fine-tuning Large Language Models performing a wide range of tasks in the domains of language, vision, generative art, video, and more.Interfacing Large Language Models to external systems, APIs, and tools.Developing methods to improve efficiency, correctness, and quality of LLMs.
June 2020 April 2023	Machine Learning Engineer, APPLE CANADA INC. <ul style="list-style-type: none">Development of computer vision models.Improving power and latency usage of existing models.
Oct 2019 to Jan 2020	Machine Learning Engineer, XNOR.AI CANADA <ul style="list-style-type: none">Research and implementation of neural architecture search methods for latency minimization.Developed a GPU-friendly weighted matching algorithm with possible uses in key-point estimation.

🎓 HONORS AND AWARDS

- 2013 **Bronze Medal** in the International Olympiad in Informatics (IOI), Brisbane, Australia.
2012 **Gold Medal** in the Iranian National Olympiad in Informatics (INOI), Tehran, Iran.

📖 SELECT PUBLICATIONS

- 2022 **CVNets: High Performance Library for Computer Vision**
Sachin Mehta, F. Abdolhosseini, Mohammad Rastegari. ACM Multimedia (2022), Lisbon, Portugal.
[Computer Vision](#) [Deep Learning](#) [Open Source](#)
- 2019 **On Learning Symmetric Locomotion**
F. Abdolhosseini, Hung Yu Ling, Zhaoming Xie, Xue Bin Peng, Michiel van de Panne. Proc. ACM SIGGRAPH Motion, Interaction, and Games (MIG 2019). Also at the NeurIPS Deep Reinforcement Learning Workshop (2019).
[Reinforcement Learning](#) [Computer Animation](#) [Locomotion](#)
- 2017 **Using Deep Neural Networks to Understand the Cell Identity by Expression Fingerprints**
F. Abdolhosseini, A. Maazallahi, A. Kamal, H. Chitsaz, A. Sharifi-Zarchi. Scientific Reports volume 9, Article number : 2342.
[Bioinformatics](#) [Gene Expression](#) [Autoencoders](#) [Torch7](#)