

Farzad ABDOLHOSSEINI

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

[in linkedin.com/in/farzadab](https://www.linkedin.com/in/farzadab) [farzadab.github.io](https://github.com/farzadab) [+1 778 378 6604](tel:+17783786604)
[@ farzad.abdolhosseini@gmail.com](mailto:farzad.abdolhosseini@gmail.com) [Vancouver, BC](#) github.com/farzadab

✓ 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

- June 2020 - Now **Software Engineer, APPLE CANADA INC.**
 - Development of computer vision models.
 - Improving power and latency usage of existing models.
- Oct 2019 to Jan 2020 **Machine Learning Engineer, XNOR.AI CANADA**
 - 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.
- Sep 2014 to Dec 2015 **Back-end Developer, NOAVARAN SARAMAD SHARIF**
 - Collection and curation of financial data for *Arzesh*, as well as maintaining the back-end.
 - Arzesh* is a financial platform developed for stock traders similar to Google Finance.

[SQL](#) [Django](#) [Nginx](#) [REST](#)

🎓 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](#)