ALI SEYFI

aliseyfi75 @ ali.seyfi.12@gmail.com 📞 +1 (778) 929 1375 in Ali Seyfi 🔗 cs.ubc.ca/ aliseyfi 📍 Vancouver, BC, Canada

PUBLICATIONS

Group GAN
Ali Seyfi, Jean-Francois Rajotte, Raymond T. Ng

🔗 link to arxiv version   📍 **NeurIPS 2022**

EDUCATION

M.Sc. Computer Science
University of British Columbia

📅 Sep 2020 – Jul 2022   📍 Vancouver, BC, Canada

- Cumulative GPA : 95.8/100

B.Sc. Computer Science and B.SC. Electrical Engineering
Sharif University of Technology

📅 Sep 2015 – Jun 2020   📍 Tehran, Iran

- Cumulative GPA (CS): 3.9/4.0 | Cumulative GPA (EE): 3.85/4.0

MASTER THESIS

Synthesizing multivariate time series using Generative Adversarial Networks with a Central Discriminator
Data Science Institute, University of British Columbia

🔗 link to thesis   📍 Vancouver, BC, Canada

- Supervisor: Prof. Raymond T.Ng

SELECTED PROJECTS

Image captioning using transfer learning and LSTMs
Multi-modal Learning, Vision and Language

📅 Winter 2021   📍 University of British Columbia

- Supervisor: Prof. Leonid Sigal
- An image encoder-language decoder to caption images in PyTorch.

Non-invasive Blood Pressure Estimation Using Photoplethysmography Signals
Machine Learning and Signal Processing

📅 Fall 2020   📍 University of British Columbia

- Supervisor: Prof. Robert Xiao
- Github repository of the project: github.com/aliseyfi75/BP-Estimation-PPG
- Estimating blood pressure by applying different Machine Learning and Deep Learning methods to PPG signals.

Complexity Reduction MATLAB Toolbox
Max Planck Institute for Dynamics of Complex Technical Systems

📅 Summer 2019   📍 Magdeburg, Germany

- Supervisor: Prof. Dr. Peter Benner
- Developed and published a MATLAB toolbox for reducing the complexity of parametric dynamical systems.

WORK EXPERIENCE

Machine Learning Engineer
Oracle, Oracle Labs

📅 Aug 2022 – now   📍 Vancouver, Canada

- Develop next-generation of AutoMLx package.

Research Associate
Oracle, Oracle Labs

📅 May 2021 – Aug 2022   📍 Vancouver, Canada

- Machine Learning Explainability for outlier detection.
- Research and develop a new black-box model explainer based on Shapley method.

RELEVANT SKILLS

| Python | Pytorch | R | SQL | Julia |

- Ability to work effectively in a team, both as a leader and follower; gained by work experience and academic projects
- Energetic and excited about learning new materials and having good problem solving ability

EXPERIENCE

Research Assistant
UBC, Computer Science Department

📅 May 2021 – Aug 2022   📍 Vancouver, Canada

Teaching Assistant
UBC, Master of Data Science program

📅 Jan 2021 – April 2022   📍 Vancouver, Canada

Research Assistant
Max Planck Institute for Dynamics of Complex Technical Systems

📅 Jul 2019 - Sep 2019   📍 Magdeburg, Germany

Team Leader
Sharif University of Technology, Robotic Team

📅 Jan 2018 - Nov 2018   📍 Tehran, Iran

- Programmed robotic arms to show how 5G networks boost productivity

Research Assistant
Technical University of Munich

📅 Jul 2018 - Sep 2018   📍 Munich, Germany

- Data Structure Design for SCOTS Software