Fardad Dadboud
Graduate Research Assistant

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➤ https://fardaddadboud.github.io/ in Fardad Dadboud ⊙ Fardaddadboud ⬡ Fardad Dadboud

🎓 EDUCATION

Ph.D. of Electrical Engineering and Computer Science (EECS)
University of Ottawa ⬀
  Supervisor: Professor M. Bolic ⬀ , Co-Supervisor: Dr. I. Mantegh ⬀

Jan 2021 – present
Ottawa, Canada

M.Sc. of Biomedical Engineering-Bioelectric
Sharif University of Technology
  Supervisor: Dr. M. Jahed

Sep 2015 – Jan 2018
Tehran, Iran

B.Sc. of Electrical Engineering
Babol Noshirvani University of Technology

Sep 2010 – Sep 2015
Babol, Iran

💼 PROFESSIONAL EXPERIENCE

Volunteer Visitor
National Research Council (NRC) ⬀
  UAV **detection and tracking in videos** for both real and simulated scenarios

May 2021 – present
Ottawa, Canada

Graduate Research Assistant
University of Ottawa
  Deep Learning and Computer Vision applications in Autonomous Vehicles

Jan 2021 – present
Ottawa, Canada

📖 PUBLICATIONS

Depth Completion and Object Detection: Exploring and Exploiting Complementarities (*Submitted)
40th IEEE International Conference on Robotics and Automation (ICRA)
  Hatami, Dadboud, Gupta, Bolic, Najjaran

2022

Single-Stage UAV Detection and Classification with YOLOV5: Mosaic Data Augmentation and PANet
17th IEEE International Conference on Advanced Video and Signal Based Surveillance (AVSS)
  Dadboud, Patel, Mehta, Bolic, Mantegh

2021

A machine learning model for predicting favorable outcome in severe traumatic brain injury patients after 6 months
Acute and critical care
  Nourelahi, Dadboud, Khalili, Niakan, Parsaei

2021

🏅 AWARDS

The second place of Drone-vs-Bird Detection Challenge
4th WOSDETC of IEEE AVSS 2021

2021

Research Scholarship
University of Ottawa

2021

Ranked 44th in National Entrance Exam for Master of Science

2015

🧠 SKILLS

Software
Pycharm, VSCode, VIM, Nano, Git, tmux

MLops
neptune.ai

OS
Windows, Linux-Based, macOS, Android, IOS

Programming
Python, MATLAB, C/C++, JAVA

Simulation
AirSim

Type Setting
LATEX, Microsoft Office

DL & CV Frameworks
Pytorch, TensorFlow, OpenCV, YOLOV5/V7, MMdetection, Detectron2, CVAT

Cluster Batch Systems
SLURM, Digital Research Alliance (ComputeCanada), CMC