Fardad Dadboud

Graduate Research Assistant

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in Fardad Dadboud 🐦 @passjustory Fardaddadboud

🎓 EDUCATION

University of Ottawa, *Ph.D. of Electrical Engineering and Computer Science (EECS)* ↗   01/2021 – present
Supervisor: Professor M. Bolic ↗ , Co-Supervisor: Dr. I. Mantegh ↗   Ottawa, Canada

Sharif University of Technology, *M.Sc. of Biomedical Engineering-Bioelectric*   09/2015 – 01/2018
Supervisor: Dr. M. Jahed   Tehran, Iran

Babol Noshirvani University of Technology, *B.Sc. of Electrical Engineering*   09/2010 – 09/2015
          Babol, Iran

💼 PROFESSIONAL EXPERIENCE

Volunteer Visitor, *National Research Council (NRC)* ↗   05/2021 – present
UAV detection and tracking in images and videos for both real and simulated scenarios   Ottawa, Canada

Graduate Research Assistant, *University of Ottawa*   01/2021 – present
Deep Learning and Computer Vision applications in Autonomous Vehicles, especially   Ottawa, Canada
UAVs

📰 PUBLICATIONS

**Single-Stage UAV Detection and Classification with YOLOV5: Mosaic Data   2021
Augmentation and PANet,**
17th IEEE International Conference on Advanced Video and Signal Based Surveillance (AVSS)
Dadboud, Patel, Mehta, Bolic, Mantegh

**A machine learning model for predicting favorable outcome in severe traumatic brain   2021
injury patients after 6 months,** *Acute and critical care*
Nourelahi, Dadboud, Khalili, Niakan, Parsaei

🎖 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

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

Operating System
Windows, Linux-Based, macOS, Android, IOS

Type Setting
LATEX, Microsoft Office

DL & CV Frameworks and Tools
Pytorch, TensorFlow, OpenCV, YOLOV5, MMdetection, CVAT

Cluster Batch Systems
SLURM, ComputeCanada, CMC

Simulation
AirSim