

Fardad Dadboud

Graduate Research Assistant

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🎓 EDUCATION

Ph.D. of Electrical Engineering and Computer Science (EECS) , <i>University of Ottawa</i> ✉ Supervisor: Professor M. Bolic ✉, Co-Supervisor: Dr. I. Mantegh ✉	Jan 2021 – present Ottawa, Canada
M.Sc. of Biomedical Engineering-Bioelectric , <i>Sharif University of Technology</i> Supervisor: Dr. M. Jahed	Sep 2015 – Jan 2018 Tehran, Iran
B.Sc. of Electrical Engineering , <i>Babol Noshirvani University of Technology</i>	Sep 2010 – Sep 2015 Babol, Iran

📁 PROFESSIONAL EXPERIENCE

Volunteer Visitor , <i>National Research Council (NRC)</i> ✉ UAV detection and tracking in videos for both real and simulated scenarios	May 2021 – present Ottawa, Canada
Graduate Research Assistant , <i>University of Ottawa</i> Deep Learning and Computer Vision applications in Autonomous Vehicles	Jan 2021 – present Ottawa, Canada

📖 PUBLICATIONS

Object Semantics Give Us the Depth We Need: Multi-task Approach to Aerial Depth Completion , <i>The 2023 IEEE International Conference on Systems, Man, and Cybernetics (SMC 2023)</i> Hatami, Dadboud, Bolic, Mantegh, Najjaran	2023
Single-Stage UAV Detection and Classification with YOLOV5: Mosaic Data Augmentation and PANet , <i>17th IEEE International Conference on Advanced Video and Signal Based Surveillance (AVSS)</i> Dadboud, Patel, Mehta, Bolic, Mantegh	2021
A machine learning model for predicting favorable outcome in severe traumatic brain injury patients after 6 months , <i>Acute and critical care</i> Nourelahi, Dadboud, Khalili, Niakan, Parsaei	2021

🏆 AWARDS

The second place of Drone-vs-Bird Detection Challenge , <i>4th WOSDETC of IEEE AVSS 2021</i>	2021
Research Scholarship , <i>University of Ottawa</i>	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	DL & CV Frameworks Pytorch, TensorFlow, OpenCV, YOLOV5/V7, MMDetection, Detectron2, CVAT
MLops neptune.ai	Simulation AirSim	Cluster Batch Systems SLURM, Digital Research Alliance (ComputeCanada), CMC
OS Windows, Linux-Based, macOS, Android, IOS	Type Setting LATEX, Microsoft Office	