Mohammad Javadian Farzaneh

Prospective PhD Student

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🔗 m-javadian-farzaneh
G Google Scholar
Ⓜ Medium
in LinkedIn
○ Github

ⓘ Research Interest

- Computer Vision, Image Processing
- SLAM, Visual SLAM, Robotics
- Machine Learning

🎓 Education

University of Isfahan   Sep 2019 - Jan 2023
Msc in Artificial Inteligence   *Isfahan, Iran*

GPA : 3.65 - 32/32 Unit

Thesis : Implementation of a Blind navigation method in outdoors/indoors areas (GPA: 4 out 4)

Urmia University   Sep 2014 - Jan 2019
BSc in Comuter Engineering   *Urmia, Iran*

GPA : 3.02 - 142/142 Unit

Thesis : Implementing Backgammon with the ability for player to play with A.I. on android devices (GPA 4 out 4)

📖 Publications

Implementation of a Blind navigation method in outdoors/indoors areas   arXiv preprint arXiv:2212.12185.

📘 Related Courses

AI and Information Retrieval

- › Artificial intelligence and Expert systems (16/20)
- › Fund.of data mining (17.5/20)
- › Neural Networks (18.2/20)
- › Statistical pattern recognition (18.65/20)

Computer Vision

- › Digital image processing (17.5/20)
- › Machine vision (16.7/20)

⚗ Research and Study Projects

Multi-Target Deep-Learning Sound Classification

The main goal of this project is to classify sounds using CNN. The main idea is to find MFCC of sounds and train the network using them

Implementation of a Blind navigation method in outdoors/indoors areas

Implemented a blind navigation system with the help of ORB-SLAM2 and YOLOv4 library compatible with monocular camera. // sample video on :https://youtu.be/Eusqo8GVkwY

🏛 Teaching Experience

Machine Vision University of Isfahan, Dr Mahvash in Fall 2022

Microprocessor and Assembly language University of Isfahan, Dr Mahvash in spring 2022

Advanced Programming Urmia University, Dr Shoja in fall 2019

⚙ Skills

Programming Languages C/C++, C#, Java, Kotlin, Matlab, Python

Technology, Framework and Libraries OpenCv, Opengl, LWJGL,Numpy, Pandas,Matplotlib, Sklearn

Build Tools Maven, Gradle

Project Managment Git, Trello

Typesetting Microsoft Office, Latex

Operating Systems Windows, Linux

🕐 Work Experience

Wachee   Apr 2020 – May 2022
Android Developer   *Tehran,Iran*

Here I work as an android developer to maintain app and add new features to it. This app is a streaming vpn which enables users across the world to watch Netflix without proxy error on android devices.

My main achievements are :
> Developed proxy server using Netty framework on app to support HTTPS connections
> Mastered Android Materials and UI elements.
> Made usage of Jetpack libraries (e.g. AndroidX libraries).
> Used libraries such as RXJAVA or Kotlin coroutines to reach concurrency

☁ International Courses And Certificataions

Kotlin for Java Developers by Jetbrains
Computer Vision Basics by University at Buffalo

🔗 Refrences

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