

Mohammad Ali Ghorbani

Programmer

As a Software Engineer, I was focused on C/C++ (Qt, Tensorflow, Libtorch, CUDA), Python (Django, TensorFlow, PyTorch), PHP (WordPress), JS (express.js, react.js), and HTML/CSS, in my past positions. I have implemented software for image/voice processing, machine vision, developed high-performance low-level system applications (Intel CPUs and Nvidia GPUs), developed Enterprise native desktop applications for Windows and Linux, I've also implemented software for ARM-based MCUs in some projects and I've done some web applications with WordPress (developing PHP plugins), Django, Express.js and React.js. I'm passionate to learn more about Machine Learning and Deep Learning, So I'm following some open courses and reading books on that in my free time.

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WORK EXPERIENCE

Software Engineer, part-time ARKA Tech

09/2019 - 09/2021

Tehran, Iran

ARKA Tech is a small size company active in Artificial Intelligence, Image Processing, and Software Engineering

Achievements/Tasks

- Developing enterprise desktop native apps with C++ Qt5.
- Boosting Speed and Performance for CNN and ML projects.
- Developing low level scripts for Nvidia GPUs (CUDA) and Intel CPUs (IPP, MKL).
- Implementing Image/Voice processing algorithms.
- Developing web applications with Django and express.js and React.js.

Contact: AmirHossein Abbasi - abbasi.fashami@gmail.com

Back-End Developer, part-time TPulse

10/2017 - 09/2019

Tehran, Iran

TPulse was a team of web developers located in The IT Office of Amirkabir University of Technology and then moved to AZARAKHSH accelerator.

Achievements/Tasks

- Developing PHP Plugins for Wordpress web applications.
- Participation in database design.
- Participation in front-end development with HTML/CSS, Bootstrap, flex and pure.js.
- Developing CRUD apps with Express.js.

Contact: Mohammad Darbanbaran - darbanhandrew@gmail.com

EDUCATION

MSc in ECE KN Toosi University of Technology

09/2020 - 06/2022

Tehran, Iran

Thesis

- Developing and Fabricating a novel, high performance PSK Solar-Cell

BSc in EE Amirkabir University of Technology

10/2015 - 09/2020

Tehran, Iran

SKILLS

C/C++

Python

JS (ECMAScript)

Qt5

Django

Tensorflow

PyTorch

Yolov5

Express.js

React.js

CUDA

STM32-HALL

Wordpress Plugin Development

PHP

HTML/CSS

Bootstrap/flex

MySQL / PostgreSQL / MongoDB

GIT

Linux Command line skills

Embedded Programming (STM32, AVR, Arduino)

CERTIFICATES

Intro to Machine Learning (03/2022)

<https://www.kaggle.com/learn/certification/mohammadalighorbani/intro-to-machine-learning>

Intro to Deep Learning (03/2022)

<https://www.kaggle.com/learn/certification/mohammadalighorbani/intro-to-deep-learning>

Intro to Game AI and Reinforcement Learning (03/2022)

<https://www.kaggle.com/learn/intro-to-game-ai-and-reinforcement-learning>

LANGUAGES

Persian

Native or Bilingual Proficiency

English

Professional Working Proficiency

INTERESTS

Software Engineering

Linux kernel Development

Machine Vision

AI - Machine learning/Deep learning

Embedded Linux Development

Data Science