Alibek Erkabayev

Machine Learning & Computer Vision Engineer

⚲ Turkey

As an AI/ML and Computer Vision Engineer, I am passionate about developing innovative solutions that integrate advanced technologies. My expertise lies in designing and optimizing AI/ML models, implementing computer vision algorithms, and deploying scalable applications.

Professional Experience

Head of Computer Vision
Web-AR.Studio

Oct 2022 - Feb 2025

Led the development of computer vision algorithms for WebAR applications using WebGL and WebAssembly. • Managed local feature detectors and descriptors for real-time visual tracking.• Oversaw the development of Simultaneous Localization and Mapping (SLAM) techniques for AR applications.

Computer Vision Developer
Web-AR.Studio

Nov 2021 - Feb 2025

Developed custom computer vision algorithms leveraging WebGL and WebAssembly for real-time AR processing at Web-AR.Studio. • Researched and implemented feature detection and matching techniques for object recognition.• Explored SLAM methodologies to enhance AR experiences with accurate positioning and mapping.

Machine Learning Engineer
UZAKTA Bilişim ve Tasarım Ltd.

Feb 2020 - Oct 2021

• Implemented Conditional GANs and Markovian GANs for obstacle clearance in real-world environments.• Researched the impact of CNN architectures and image resolution on model accuracy and inference speed.• Developed and optimized deep learning models on Nvidia Jetson AGX Xavier for edge AI applications.

Contact

✉ ear.cv.dev@gmail.com

github.com/bigalex95

Skills

Computer Vision

Object Detection

Object Tracking

Machine Learning

WebGL

WebAssembly

WebAR

Python

JavaScript

Cpp

Languages

Russian

English

Turkish

Founder & AI Developer

ERA Tech Company

Jul 2018 - Oct 2022 | Voluntary

In my role as Founder & AI/ML Consultant at ERA Tech Company, I spearheaded the development of AI solutions for diverse industries. • Designed and optimized AI/ML models for deployment on cloud and edge devices.• Developed data pipelines for scraping, aggregating, and processing large-scale datasets.• Provided AI consulting and technical solutions for businesses in WebAR, Computer Vision, and AI-driven applications.

Educational History

Computer Science

Konya Technical University

Jan 2023 - Present

Computer Science

Yildiz Technical University

Aug 2014 - Jun 2021