Armin Eskandarinasab

DATA SCIENTIST | BACKEND DEVELOPER

ARMIN ESKANDARINASAB

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Armin's LinkedIn

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Armin's Github

Personal Information

Date of Birth Place of Birth 25 Mar 1994 Kerman, Iran

RESEARCH INTERESTS

Computer Vision Image Processing Machine Learning Optical Design Deep Learning in Optics

SELECTED SKILLS

MACHINE LEARNING

BACKEND DEVELOPMENT

Typescript
NestJS
MongoDB
Redis

WORK EXPERIENCES

09/2023 - Now

Data Scientist

RAHKARSANAT · ♥ Kerman, Iran.

Full Time

- Implementing classification of drowsiness for drivers using Zeroshot learning in Keras and Tensorflow.
- Training and Fine-tuning Stable-Diffusion model on rahkarsanat private data for advertising purposes.

Zero-Shot Learning (Stable Diffusion)

11/2022 - 09/2023

Backend Developer

RAHKARSANAT · ♥ Kerman, Iran.

Full-Time

- · Developing financial micro-services using NestJS framework.
- Developing Terabar, a web application to establish communication between drivers and cargo owners and solve their logistic problems.
- Maintaining Kiz-platform, a software as a service (SaaS) for delivering basic and the most needed features to young startups.

Microservices SaaS

01/2020 - 11/2022

Python Developer

SÉRAZ · • Ardabil, Iran. (Remote)

Part-Time

- $\boldsymbol{\cdot}$ Responsible for the simulation of Metabolic-Bacterial network interactions.
- Developed a user interface for a Graph representation of a Metabolic network.
- Executed a method to find the most effective metabolites and bacteria in different illnesses.
- $\boldsymbol{\cdot}$ Tested a method to reveal step-by-step bacteria growth in a community

Python

03/2018 - 03/2019

Machine Learning Technician

KERMAN REGIONAL ELECTRICAL COMPANY (KREC) · ♥ Kerman, Iran

Part-Time

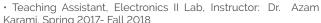
• Trained and fine-tuned FastRCNN object detection method (with Microsoft ResNet backend) to find critical failures in electrical towers from images taken by drones.

(Image Processing)(Deep Learing)

01/2023 - 02/2023

Teaching Assistant

SHAHID BAHONAR UNIVERSITY OF KERMAN · ♥ Kerman, Iran Part-Time



- Karami, Spring 2017- Fall 2018

 Authored Electronics II lab instruction manuals for Optical Engi-
- Teaching Assistant, Optical Design, Instructor: Dr. HamidReza Mashayekhi, Spring 2018
- Educational Seminar, Working with Zemax Software, Dr. HamidReza Mashayekhi, Spring 2019

Electronics II | Lab Manual

neering students, Fall 2017

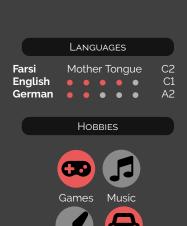












EDUCATION

09/2016 - 09/2020 M.Sc. in Photonics - Electronics and Telecommunication

GPA: 3.76/4 (16.81/20) · 🏛 Graduate University of Advanced

Technology, Kerman, Iran

Title: "An Optimum Isopropanol Optical Fiber Temperature Sensor

using Deep Learning." Advisor: Dr. Mehdi Tajaldini

09/2012 - 09/2016 B.Sc. in Optical Engineering

GPA: 3.46/4 (17.30/20) · 🏛 Shahid Bahonar University of Kerman,

Kerman, Iran

Project Title: "Simulation of a Distant Lamp Light Diffraction after

Passing Through a Lace."

Advisor: Dr. Hamidreza Mashayekhi



PUBLICATIONS

10/2017 The Effect of Denoising on Superresolution of Hyperspectral

maging

ESKANDARI, A., AND KARAMI, A. 🚪 Image and Signal Processing for Remote Sensing XXIII (Vol. 10427, p. 1042708). International Society for Optics and Photonics

DOI: https://doi.org/10.1117/12.2278503

05/2017 Cloud Shadow Removal from Aerial Images

ESKANDARI, A., AND KARAMI, A. · 🥑 4th National Open Mining Conference. Kerman, Iran

Best Paper Award

10/2016 Introduction of Separation Boundary in Sub-Pixel Mapping

based on Attraction Model

ESKANDARI, A., KARAMI, A., AND ADIBI, S.A. : Hyperspectral Imaging and Application Conference 2016 (HSI 2016). Coventry, UK

TEST SCORES

09/2022 **IELTS (Academic): 7**

LISTENING:8, READING:6.5, SPEAKING:7, WRITING:6

RELEVANT PROJECTS

06/2020 - 01/2020 Designing optical instaruments of a CubeSat

09/2022 - 10/2022 Converting Farsi speech to text and extracting the keywords

01/2022 - 02/2022 Semi-Supervised Video Annotation

04/2019 - 09/2019 Detecting face for automation applications on RaspberryPi

05/2018 - 01/2019 Laboratory mouse tracking algorithm based on YOLO3

AWARDS & HONORS

Ranked 1st

among 45 undergraduate students of Optical Engineering, 2012 beginners, Shahid Bahonar University of Kerman. 2016.

Best Paper Award

of the 4th National Open Mining Conference 2017 for the paper "Cloud Shadow Removal from Aerial Images", Kerman, Iran. 2017.

Full Scholarship Award

During Undergraduate and Graduate Studies at the Universities of Shahid Bahonar University of Kerman and Kerman Graduate University of Technology. 2012.

Member of NODET

National Organization for Development of Exceptional Talents (NODET) student selection exam is held every year nationwide for students starting middle and high school. The organization is responsible for several schools across the country and training the top students on a more advanced level in every field of study. 2005-2012

REFRENCES

Advisor Dr. Mehdi Tajaldini

ASSISTANT PROFESSOR · <u>m</u> Department of Photonics, Graduate University of Advanced Technology

Email: m.tajaldini@kgut.ac.ir Phone: +98 (913) 245-9378

Advisor Dr. Hamidreza Mashayekhi

ASSOCIATE PROFESSOR · <u>m</u> Faculty of Physics Shahid Bahonar University

Email: mashhr@uk.ac.ir Phone: +98 (911) 331-7332

COMPUTER SKILLS

