

Ali Salimian

Tehran 1848758679, Iran

Phone: +98 912 857 7107

Email: itsAliSali@gmail.com

LinkedIn: linkedin.com/in/alisalimian

GitHub: github.com/itsAliSali

Education

2017 - present BSc, Electrical Engineering (Control Systems), K. N. Toosi University of Technology, Iran

Cumulative GPA: 17.87/20 (US GPA: 3.73/4) (top 5% in the class)

Selected Courses: Computer Vision, Intelligent Systems, Neural Networks,
Linear Algebra, Numerical Optimization, Robotics.

Minor: Computer Engineering

Selected Courses: Advanced programming, Data structures, Algorithm design,
Operating systems, Computer networks, Automata theory.

Projects

Jun 2021 SoccerField. Real-time detection and classification of players in a soccer match by using OpenCV and PyTorch. «*GitHub*».

Jan 2021 PSO-GA. An evolutionary optimizer for solve constrained problems. «*GitHub*».

July 2020 Chess game. A graphical chess game with an AI agent powered by alpha-beta pruning algorithm. «*GitHub*».

Experiences

2021/July-2021/Sep Intern, ARAS Robotic Lab.
Role: Researcher, Developer. Project: Generating fabricable marquetry crafts.

2020/Sep-2021/Mar Research Assistant, Iran's National Elite Foundation.
Role: I worked in a group on the latest CNN approaches to segment MS lesions in MRI images.

2019/Oct -2019/Dec Early-stage employee, Nikted.
Role: Embedded software developer. Project: designing an Infrared Thermometer.

Technical Skills Highlights

Languages	Python, (Modern) C++, Matlab, Java
Programming Concepts	Object Oriented Programming, Concurrency and Parallelism
Libraries	OpenCV, PyTorch, Scikit-learn, Numpy, TensorFlow
Embedded Systems	Embedded C Programming, ARM (STM32) and AVR Microcontrollers
Others	Git, Docker, Linux bash, \LaTeX

Professional Certificates

Certified from Coursera.org

Aug 2020	Introduction to TensorFlow, Deeplearning.ai
Aug 2020	Neural Networks and Deep Learning, Deeplearning.ai
Apr 2020	Applied Machine Learning in Python, University of Michigan

Languages

English	Professional Proficiency. IELTS, Overall Score: 7.5/C1 Listening:8, Reading: 7.5, Writing: 6.5, Speaking: 7
Farsi	Native.

Fields of Interests

Machine Learning, Deep Learning, Computer Vision, Data Science, Robotics, Computational Methods

Community Outreach

2019 - 2021	Member of IEEE university student branch. Role: Content provider, <i>Signal Magazine</i> .
-------------	---

Teaching Experiences

Fall 2021	Teaching Assistant. Linear Control Systems. Instructor: Dr. Hamid D. Taghirad
Fall 2021	Teaching Assistant. Linear Algebra. Instructor: Dr. Behrooz Nasihatkon
Spring 2019	Teaching Assistant. Digital Systems. Instructor: Dr. Hesam Zandi