

Ali Salimian

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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 (all grades: 4/4), Robotics (grade: 3/4).

Minor: Computer Engineering

Selected Courses: Advanced programming, Data structures, Algorithm design, Operating systems, Computer networks (all grades: 4/4).

Projects

Jun 2021 SoccerField. Visual 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, C++ (Modern), Java, Matlab
Programming Concepts	Object Oriented Programming, Concurrency and Parallelism
Libraries	OpenCV, PyTorch, Scikit-learn, Numpy, TensorFlow
Others	Git, Docker, Linux bash, \LaTeX

Community Outreach

2019 - 2021 Member of IEEE university student branch.
Role: Content provider, *Signal Magazine*.

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

Language

English	Professional Proficiency. (IELTS: Will be taken on Oct 23 rd)
Farsi	Native

Fields of Interests

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

Teaching Experiences

Fall 2021	Teaching Assistant. Linear Algebra. Instructor: Dr. B. Nasihatkon
Fall 2021	Teaching Assistant. Linear Control Systems. Instructor: Dr. H. Taghirad
Spring 2019	Teaching Assistant. Digital Systems. Instructor: Dr. H. Zandi