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 programing, 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 23rd)
Farsi	Native

Fields of Interests

Machine Learning, Deep Learning, Computer Vision, Data Science, 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