

CONTACT

- 🏠 sjafari.ir
- 🌐 Saeed Jafari
- ✉ jafarisaeed@ut.ac.ir
- ✉ saeed.jafari1997@gmail.com
- ☎ +98 918 750 2376



SKILLS

Python	7+ yrs
Matlab	7+ yrs
C	5+ yrs
FPGA	3+ yrs
Cisco Packet Tracer	1+ yrs
Solidity	1+ yrs
R	1+ yrs

RESEARCH INTERESTS

- Trust Management in IoT
- Information Theory
- Cryptography
- Artificial Intelligence Security
- Federated Learning
- Cyber-Physical Systems
- Blockchain-based Systems
- Machine Learning
- Wireless Communications
- Digital Signal Processing

Saeed Jafari

Communications Security

EDUCATION

University of Tehran

Sep. 2020-Sep. 2023

M.Sc. in Communication-Security

GPA: 17.94 / 20

Thesis Title: Detecting Malicious Players in Vehicular Ad hoc Networks by Offline-processing of the Reported Events (**Details**)
Under the Supervision of Prof. Mohammad Sayad Haghighi

Isfahan University of Technology

Sep. 2015-Sep. 2019

B.Sc. in Electrical Engineering

Final Project Title: Hardware considerations in crowd management system-part II (**Details**)
Under the Supervision of Prof. Mohammad Mahdi Naghsh

TOP ACADEMIC COURSE PROJECTS

- **Advanced Network Security:** Trust Management Evaluation in Vehicular Ad-hoc Networks (VANET) (**Details**)
Under the Supervision of Dr. Mohammad Sayad Haghighi
- **Cryptocurrencies:** Simple Implementation of Bitcoin Transactions and Bitcoin Address Generator (**Details**)
Under the Supervision of Dr. Behnam Bahrak
- **Advanced Computer Networking:** A Countermeasure for Garg et al. Scheme: An Authentication Method for V2G Networks (**Details**)
Under the Supervision of Dr. Naser Yazdani
- **Cryptocurrencies:** Implementation of Split-wise Using Solidity (**Details**)
Under the Supervision of Dr. Behnam Bahrak
- **Performance Evolution of Computer Systems:** Modeling Network Traffic (**Details**)
Under the Supervision of Dr. Ahmad Khonsari
- **Principles of Wireless Communications:** Comparing Performances of BPSK, $\pi/4$ -QPSK and QPSK Modulation Formats in AWGN Channels (**Details**)
Under the Supervision of Dr. Mohammad Javad Omidi
- **Digital Signal Processing:** The Effect of Quantization Error on Coefficients in Direct, and Cascade-Based Filters (**Details**)
Under the Supervision of Dr. Behzad Nazari
- **Machine Learning:** Prediction of the Age, Gender, and Facial Expressions of Humans from Images (**Details**)
Under the Supervision of Dr. Mohammadreza Abolghasemi Dehaqani

SELECTED COURSES

- Performance Evolution of Computer Systems (20/20)
- Computer Networks LAb (20/20)
- Advanced Computer Networking (19.6/20)
- Digital System Design I (19/20)
- Statistical Inference (18.7/20)
- Interface Circuit Design (18.6/20)
- Principles of Wireless Communications (18/20)
- Engineering Mathematics (18/20)
- Machine Learning (17.9/20)
- Computer Programming Fundamentals (17.9/20)
- Digital Signal Processing Lab (17.7/20)
- FPGA Lab (17.5/20)
- Cryptocurrencies (17.4/20)
- Advanced Computer Mathematics (17.2/20)
- Statistical Methods (17.1/20)
- Advanced Network Security (17/20)
- Digital Signal Processing (16.9/20)

LANGUAGE

- Persian: Native
- English: Advanced
IELTS:
Overall: 7
(L: 7.5, S: 7, R: 6.5, W: 6.5)

HONORS AND AWARDS

- Ranked among top 1% in both National-wide University entry-exams for starting of Bachelor of Science and Master of Science
- Ranked among 1% of top grad students in the department of Electrical and Computer Engineering at the University of Tehran

- **Principles of Communication Systems:** Implementation of a Matlab-based FM Receiver Using SDR and, Designing a GUI Platform to Plot Power Spectral Density (PSD) of FM Signals Using RTL-SDR **(Details)**
Under the Supervision of Dr. Ehsan Yazdian
- **FPGA:** Implementation of FPGA-Based Online FFT Analyzer with the Demonstration of Signal and it's FFT on Basic Monitors **(Details)**
Under the Supervision of Dr. Ehsan Yazdian
- **Principles of Wireless Communications:** Simulating OFDM System **(Details)**
Under the Supervision of Dr. Mohammad Javad Omidi
- **Computer Networks Lab:** Simulating and Implementing a Small Network **(Details)**

RESEARCH ASSISTANCE

ECE DEPT. Isfahan University of Technology Research Assistance

SEPT. 2019-APR. 2020

Standards, Applications and Suitable Roadmap for Traffic Radio Communication
under the supervision of Dr. Foroogh Sadat Tabataba.

PUBLICATIONS

Saeed Jafari, M Sayad Haghighi. "Intrusion Detection in Vehicular Ad-hoc Networks (VANET) Using Post Processing Approaches" (under preparation)

EXPERIENCE

ECE DEPT. University of Tehran Teaching Assistance

Sep. 2022 - Feb. 2023

- **Statistical Inference-** Under the Supervision of Dr. Behnam Bahrak
- **Advanced Network Security-** Under the Supervision of Dr. Mohammad Sayad Haghighi

ECE DEPT. IUT Teaching Assistance

Sep. 2017 - Sep.2019

- **Digital Systems Design Lab II-** Under the Supervision of Dr. Nader Karimi
- **Computer Programming Fundamentals-** Under the Supervision of Dr. Mohammad Mahdi Naghsh
- **Principles of Communication Systems-** Under the Supervision of Dr. Ehsan Yazdian
- **Digital Systems Design I-** Under the Supervision of Dr. Foroogh Sadat Tabataba