

# Curriculum Vitae

September 3, 2020

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## ❖ Personal Information

Sayed Sadeq Saberi  
M.SC Student of Electrical Engineering  
Faculty of Engineering  
Ferdowsi University of Mashhad (FUM)  
Mashhad, Iran.  
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## ❖ Education

- ✓ M.Sc. (Expected graduation date 2022): Ferdowsi University of Mashhad, Iran  
M.Sc. in Electrical & Computer Engineering  
Thesis Topic: Hyperspectral Image Processing (Feature extraction)  
Supervisor: Dr. Seyed Alireza Seyedin
  
- ✓ B.Sc. (2015-2019): Neyshabur University, Iran  
B.Sc. in Telecommunications Engineering  
Thesis Title: "A weighted full-reference image quality assessment based on visual saliency"  
Supervisor: Dr. Mostafa Monemizadeh  
Cumulative GPA: 3.4 / 4

## ❖ Research Interests

- ✓ Signal processing, Artificial neural network, Computer vision, Deep Learning, Information Theoretic Learning, Image Processing, Pattern recognition

## ❖ Experience

- ✓ **Laboratory Research Assistant** Sep 2019 – present

SAR Research Laboratory, Ferdowsi University of Mashhad, Iran.  
Research Topic: Hyperspectral Image Processing

- ✓ **Teacher Assistant** Oct 2018 – Jan 2019

University of Neyshabur, Iran  
Course Title: Field and wave electromagnetics

- ✓ **Teacher Assistant** Oct 2018 – Jan 2019

University of Neyshabur, Iran  
Course Title: Signals and Systems

- ✓ **Network Engineer** Jun 2018 – Oct 2018

Telecommunication Company of Iran  
Responsibility: Provide planning and design services in implementation of Fiber to the Subscriber (FTTX) network.

✓ **Electronic Repair Technician**

Jun 2016 – May 2018

Huawei Technologies Co.

Responsibility: Electronic circuit board repair

❖ **Technical Skills**

- ✓ MATLAB
- ✓ Python
- ✓ Envi
- ✓ Geomaica
- ✓ eCognition
- ✓ Control Systems Design
- ✓ PSpice
- ✓ AutoCAD
- ✓ Proteus
- ✓ Avr

❖ **Honors & Awards**

- ✓ Ranked in top 3% among about 18,000 participants in Electrical Engineering Master of Science Nationwide University Entrance Exam in Iran.
- ✓ Ranked 2nd in the country, attended Khayyam National Festival, Neyshabur University, Iran.

## ❖ Projects

- ✓ Hyperspectral Image processing
- ✓ Image Classification using Deep learning
- ✓ Image Quality Assessment
- ✓ Motion detection
- ✓ Steganography
- ✓ Control System Design

## ❖ Courses

- ✓ Information theory (17/20)  
Seminar Title: *Gaussian Channel with Two-sided Input-Noise Dependent State Information*
- ✓ Advanced Digital Signal Processing (18/20)  
Project Title: *Synthetic Aperture Radar (SAR) Data Processing*
- ✓ Bachelor Final Project (19.75/20)  
Project Title: *Image Quality Assessment (SSIM, WSSIM, VSI, JND)*  
Supervisor : Mostafa Monemizadeh
- ✓ Digital image processing (17.25/20)  
Project Title: *Motion detection, Steganography*
- ✓ Special Topics in Image Processing (19.5/20)  
Project Title: *Image Quality Assessment (SSIM, IWSSIM)*
- ✓ Linear Control Systems (First Rank: 18/20)  
Project Title: *Simulink in MATLAB (Control system design)*
- ✓ Digital signal processing (First Rank: 19.5/20)
- ✓ Digital Control Systems (First Rank: 19/20)
- ✓ Principles of Communication Systems (19/20)

- ✓ Communication Networks (20/20)
- ✓ Communications (17.75/20)

## ❖ Language

- ✓ English
- ✓ Persian
- ✓ Arabic

## ❖ References

- ✓ Prof. Seyed Alireza Seyedin  
Associate Professor, Department of Electrical Engineering  
Ferdowsi University of Mashhad, Iran.  
Email: seyedin@um.ac.ir
- ✓ Prof. Mostafa Monemizadeh  
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