Pedram Mehrabi

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- **Email:** Pedrammehrabi1990@gmail.com
- **Place of birth:** Isfahan, Iran
- **Date of birth:** 21.03.1990
- **Linkedin:** https://www.linkedin.com/in/pedram-mehrabi-b77557ba/

- ❖ **Hands-on experience with HUAWEI microwave equipment**
- ❖ **A Telecommunication Technoligist**
- ❖ **A Self-learner programmer**
- ❖ **UI developer @ Fracsima**

EDUCATION HISTORY

2013 - 2015	**Master of Science**

Telecommunications Engineering   >> Amirkabir University of Technology, Iran
- GPA: 17.50/20   **Supervisor**: *Dr. Gholamreza Moradi*
- Thesis: Internal port modeling of electronic devices for interconnect characterization by using TDR

2008 - 2013	**Bachelor of Science**

Electrical Engineering (Telecom)   >> Isfahan University of Technology, Iran
- GPA: 16.18/20   **Supervisor**: *Dr. Reza Safian*
- Thesis #1: Investigation of NMR systems used for detection, imaging and distinguishing between various substances in MRI samples
- Thesis #2: Design and implementation of Holography experiments in electrical and optical communication lab

2004 - 2008	**High School Diploma**

Mathematics and Physics
Imam Sadeq high school, Isfahan, Iran   **GPA: 19.80/20 (1st Rank In province)**

RESEARCH EXPERIENCES AND PROJECTS

Feb _ May 2020   **Software Design**
- Design of a python-based warehousing application, which not only allows users to manage their warehouse, shelves and inventory more easily, but also, serves them to keep track of their customers' accounting, shopping preferences and purchasing statistics.

Feb _ May 2015   **Microwave**
- Design of SPR filters in both micro strip and waveguide lines.

Sep _ Dec 2014   **Microwave Measurement (Experimental)**
- Transmission line characterization using TDR techniques.
- Circuit model extraction for microwave discontinuities such as bend (symmetrical) or step (asymmetrical) using TDR.
- Measurement and extraction of relative permittivity of liquids (group of liquids) using six port technique.
- Cable fault locating using power detectors.

Sep _ Dec 2013   **Electromagnetics**
- Transmission line-model Extraction for RF coils using Maxwell's equations.

LANGUAGES

- **English**   *ADVANCED*

➢ *IELTS_General*	*R: 8*	*L: 8*	*S: 7*	*W: 7*	*Overall:7.5*	*2019_Nov*
➢ *IELTS_Academic*	*R: 8*	*L: 8*	*S: 6.5*	*W: 6*	*Overall:7*	*2019_Feb*
➢ *TOEFL iBT (EXPIRED)*	*R: 23*	*L: 27*	*S: 23*	*W: 24*	*Overall:97*	*2016_Sep*

- **French**   *INTERMEDIATE*
- **Persian**   *NATIVE*

WORK EXPERIENCES

July. 2020- Present	**UI developer (Remote Working)** **Fracsima**, Paris, France ▪ Design and developement of a python-based GUI which serves to interact with users, allowing them to run DISROC and other related modules.
Nov. 2018- Jun 2020	**Telecommunication Technologist and Engineer** TALIS Knowledge-based Co., Isfahan Science and Technology Town, Isfahan, Iran ▪ Configuration and implementation of high-power Electromagnetic air-pollution control systems used for settlement of indistrial pollutants and dusts, ▪ Design and optimization of high-power electromagnetic antennas according to project objectives, physical constraints and configuration restrictions, ▪ Installation of COFDM tranceivers for transmission of both control commands and video straming signals, used for the evaluation of dust density in the air, ▪ Maintenance and Monitoring of the installed equipment with a view to diagnosing and clearing of the occurred errors and systematic faults, ▪ Documentation of the results gained from carried out tests and researchs.
May. 2017- Oct. 2018	**Microwave Engineer** Huawei Technologies Co, Tehran, Iran ▪ Planning of microwave links with a view to reaching the desired capacity, ▪ Installation of microwave links according to planned scenarios, ▪ Modernization of HUAWEI microwave equipment (4G-LTE-TDD/FDD project) ▪ Upgrading MW links by the aggregation of TDM traffic, packets & IP services, ▪ Microwave material management & reporting for dismantled equipment, ▪ Hands-on experience in on-site installation and implementation issues, ▪ inventory management & Warehouse arrangements.
Apr. 2016 - Apr. 2017	**Telecommunication Technologist and Engineer** TALIS Knowledge-based Co., Isfahan Science and Technology Town, Isfahan, Iran ▪ Test, Characterization and Documentation of COFDM tranceivers, ▪ Design & optimization of MW links so as to maximize the transmission board, ▪ Experimental assessment of interfering frequencies to minimize the interference, ▪ Implementation of the designed link between a flying helicopter and a base station to exchange live video streaming signals.
Jan.2014 – Mar2014	**Teaching Assistant** Amirkabir University of Technology Course: **Microwave Measurement**

QUALIFICATIONS & CRTIFICATIONS

• Machine Learning & Data mining	*Delivered by*: **MEHREGAN**	Date: **May.2020**
• Python (Advanced)	*Delivered by*: **MEHREGAN**	Date: **Feb.2020**
• HCNA (Microwave networking)	*Delivered by*: **HUAWEI**	Date: **Jan.2018**
• HCNA (Cloud computing)	*Delivered by*: **HUAWEI**	Date: **Oct.2018**
• Network +	*Delivered by*: **METACO**	Date: **May.2017**
• International Cuisine	*Delivered by*: **IRANTVTO**	Date: **Dec.2010**

SOFTWARE SKILLS

EXPERIENCED :	➢ *ADS*	➢ *PYTHON*	➢ *I RIVER LINK DESIGNER*	➢ *MICROSOFT OFFICE*
LIMITED:	➢ *CST*	➢ *U2000*	➢ *DJANGO*	➢ *HTML & CSS*

UPON REQUEST

➢ **Dr. Gholamreza Moradi**	**ASSOCIATE PROFESSOR** *AUT, TEHRAN, IRAN*	**PHONE: +98 21 64543325** **EMAIL: GHMORADI@AUT.AC.IR**
➢ **Dr. Reza Safian**	**SENIOR RESEARCHER** *IMEC, FLORIDA, USA*	**PHONE: +1(407)437-9878** **EMAIL: REZA.SAFIAN@IMEC.COM**