
RESEARCH INTERESTS:

Artificial Intelligence in Healthcare, Brain-Computer Interfaces, Machine Learning, Human Technology Interaction, System Design in Healthcare.

EDUCATION:

- **Master of Science in Software Engineering**
Stevens Institute of Technology, Hoboken, NJ, The USA. Sep 2023 – May 2025
Advisor: Dr. Lu Xiao
- **Certificate Data Exploration and Visualization for Risk and Decision Making**
Stevens Institute of Technology, Hoboken, NJ, The USA. Sep 2023 – May 2025
- **Bachelor of Computer Engineering - Software**
Azad University, Tehran, Iran Sep 2017 – Sep 2022
Project: Cloud computing
Advisor: Dr. Mehdi Alirezanejad

HONORS & AWARDS:

- Master's Scholarship, Stevens Institute of Technology Sep 2023 – May 2025

APPOINTMENTS:

Academic:

- **Stevens Institute of Technology - Department of Systems and Enterprises**
 - Research Assistant – BCI Lab Nov 2024 – Present
 - Lab Monitor – ELC Lab Oct 2022 – Present
- **Sharif University of Technology – Department of Electronics**
 - Research Assistant – Algorithmic trading with C# in Ubuntu operating system Jul 2020 – Aug 2021

Industrial:

- **Bordbaar Intelligent Transporters**
Software Developer – Working as a software developer Windows app Feb 2022 – Jul 2023
- **Door Nama Ayandeh**
Computer Network Technician – Help desk Sep 2021 – Dec 2021
- **Neshaneh Rooyesh Co.**
 - Software Developer – Windows application developer with C# Jul 2021 – Sep 2021
 - Computer Network Technician – Software support expert
- **Raad Wire Cut Workshop**
 - Software Developer – Programming with G-code language in Mastercam software Sep 2020 – Dec 2020
 - worked on CNC devious puma 200 and Wire cut 4mil 330S machines

PUBLICATIONS:

Journal paper:

- Vaziri, A., Moghaddam, P. S., Oskouei, A. E., “Development of Service Compositions in Cloud Manufacturing Processes,” Journal of Electrical Systems, 2024. DOI: 10.52783/jes.6257
- Moghaddam, P. S., Oskouei, A. E., Vaziri, A., “A New Algorithm for Indoor Robot Localization,” Computational Methods for Differential Equations, 2024. DOI: 10.22034/cmde.2024.64173.2895

Under preparation:

- Vaziri, A., Liu, F., “Seizure Detection Using Machine Learning on Scalp EEG Data” (Under writing process)
- Vaziri, A., Liu, F., “Sleep Apnea Prediction Using EEG Signals” (Under writing process)

CERTIFICATES:

- Introduction to Python, DataCamp (Sep 18, 2024)
- C++ Language Programming, Tehran Institute of Technology (May 2022)
- CCNA 200-301 - Boot Camp (CISCO), Arjang Institute (Mar 2022)
- Security+ (CompTIA), Arjang Institute (Feb 2022)
- Fast Type, Tehran Institute of Technology (Jan 2022)
- Network+ (CompTIA), University of Applied Sciences and Technology – Jihad-e Daneshgahi Tehran (Nov 2021)
- C# Language Programming, Tehran Institute of Technology (Sep 2019)
- Computer Algorithms, Tehran Institute of Technology (Sep 2019)
- PEKA 2 (Basics of Computer), Tehran Institute of Technology (Jun 2012)

RECOMMENDERS:

Stevens Institute of Technology, Master's program:

- Feng Liu | Assistant Professor | Department of Systems and Enterprises | Department of Systems and Enterprises
Email: fliu22@stevens.edu
- Sang Won Bae | Assistant Professor | Department of Systems and Enterprises | Department of Systems and Enterprises
Email: sbae4@stevens.edu
- Mo Mansouri | Teaching Professor | Department of Systems and Enterprises | Department of Systems and Enterprises
Email: mmansour@stevens.edu

Azad University, Undergraduate program:

- Rasul Enayatifar | Assistant Professor | Department of Engineering | Islamic Azad University
Email: r.enayatifar@iaufb.ac.ir
- Kamal Jadidi Aval | Assistant Professor | Department of Engineering | Islamic Azad University
Email: kj.aval@iau.ac.ir
- Mehdi Alirezanejad | Assistant Professor | Department of Engineering | Islamic Azad University
Email: me.alirezanejad@iau.ac.ir