

Soheil Hosseini  
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### Education:

- BS, Electrical Engineering, University of Tehran, Iran
- MS, Electrical Engineering, Sharif University of Technology, Iran
- PhD, Biomedical Engineering: University of Iowa, Dec 2025

### Current Research:

- Pulmonary Vessel Segmentation and Artery-Vein Separation in Chest CT Scans, using GANs, Limited Labeled Data, and Neural Shape Representations

### Research Interests:

- Deep Learning, Machine Learning, Image Processing and Reconstruction, Imaging Systems, Mathematical Modeling, and generally complex theoretical sides of everything!

### Work Experience:

- Research Engineer, PnpMed, Design and Development of Medical Imaging Systems, (Consistent winner of highest national innovation awards in Iran (Razi, Khwarazmi, ..) over several years), 2012-16
- Data Analyst, Varzesh3, Iran's then #1 most visited sports website, 2016-17
- GRE [Graduate Record Examination] Tutor, 2018
- Research Assistant, Human-Machine Interfaces Lab, Working on Human Action Recognition, EE Department, Sharif University of Technology, 2018-19
- Graduate Research Assistant, Advanced Pulmonary Physiomic Imaging Lab, 2020-Now

### Other Activities:

- I've held many Critical Thinking summer workshops, University of Tehran
- I'm very good at anything social .. I volunteer to be the MC in large events from time to time, (like most recently in our Iranian new year's celebration formal) .. I love conversations and hangouts.
- I've been part of a service fraternity here, Alpha Phi Omega, which has been a great experience

### Administrative Positions:

- Vice-president of Secular Students at Iowa student club, University of Iowa, 2021
- Been an active and enthusiastic member of the Debate Club, University of Iowa, 2020-2023
- Student member of Recreational Services Charter Committee, University of Iowa, 2021
- Member of the Engineering Graduate Student Council [EGSC] since 2022
- Senator of Biomedical Engineering Department at Graduate Student Senate [GSS] since 2022

### Personal Interests:

- Conversations, Hiking, Table Tennis, Road Trips