

# Shervin Iranaghideh

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## EDUCATION

**Science and Research Branch, Islamic Azad University (SRBI AU) | B.S. Computer Science**

2020 — 2024 | Major: Computer Science | GPA: 3.42 (16.11 on 20 scale, first 3 years)

## RESEARCH INTERESTS

**Machine Learning — Natural Language Processing — Computer Vision — Multimodality**

Specifically: Visual Question Answering, Image Captioning, Video Captioning, Multimodal Analysis

## SKILLS & TOOLS

Python — 80%	Pandas — 50%	JavaScript — 60%	Word — 60%
TensorFlow — 30%	Matplotlib — 40%	HTML/CSS — 80%	Excel — 40%
PyTorch — 20%	C++ — 20%	Git — 50%	PowerPoint — 50%
Scikit-Learn — 40%	MATLAB — 20%	Go — 30%	Illustrator — 30%
NumPy — 60%	R — 10%	Prompting — 60%	Figma — 20%

## EXPERIENCE

**Research | Multi-Commodity Transportation | SRBI AU | Spring 2023**

Supervisor: [Dr. Farhad Hosseinzadeh Lotfi](#)

Mathematical modeling of Multi-Commodity Transportation Problems ([PDF](#)). Solving them using SciPy Python.

Making a program with UI that solves these problems. Deploying it on HF Spaces for demo with Gradio.

**Internship & Work | Front-end Developer | E-Commerce Brokers | Sep 2020 — Now**

Supervisor: [Armin Rahimian](#)

Learning web development. Developing websites with HTML, CSS & JavaScript. Making websites with WordPress and DNN using Plesk platform.

**Teaching Assistant | Linear Optimization | SRBI AU | Fall 2023**

Instructor: [Dr. Farhad Hosseinzadeh Lotfi](#)

Generating practice problems for students. Solving practice problems. Troubleshooting students. Grading assignments.

**Project | Personal Website | Jul 2023**

Designing my [personal website](#) from scratch. (Code available on my [GitHub](#).)

**Research | Matching Energy of Graphs | SRBI AU | Mar 2023 — Now**

Doing research on Matching Energy of Graphs with two of my colleagues.

**Teaching Assistant | Calculus 1 | SRBI AU | Fall 2023**

Instructor: [Dr. Somayeh Ghezalahmad](#)

Solving practice problems. Troubleshooting students. Grading assignments.

## RELATED COURSES

Machine Learning	Numeric Linear Algebra	Set Theory and Logic	Linear Algebra
Probability	Linear Optimization	Linear Analysis	