Shervin Iranaghideh

PROSPECTIVE GRADUATE STUDENT

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Objective

I am highly motivated for doing research in Natural Language Processing and Computer Vision.

I'm looking for research positions, if you are looking for a dedicated and highly motivated researcher to join your lab, please contact me.

Research Interests

Machine Learning — Natural Language Processing — Computer Vision — Multimodality

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

Education

Science and Research Branch, Islamic Azad University (SRBIAU) | B.S. Computer Science

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

Experience

Research | Multi-Commodity Transportation | SRBIAU   **Spring 2023**

Supervisor: Dr. Farhad Hosseinzadeh Lotfi

- Mathematical modeling of Multi-Commodity Transportation Problems. ([PDF](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.

Teaching Assistant | Linear Optimization | SRBIAU   **Fall 2023**

Instructor: Dr. Farhad Hosseinzadeh Lotfi

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

Project | Personal Website   **Jul 2023**

Designging my personal website from scratch. (Code available on my GitHub.)

Research | Matching Energy of Graphs | SRBIAU   **Mar 2023 — Now**

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

Teaching Assistant | Calculus 1 | SRBIAU   **Fall 2023**

Instructor: Dr. Somayeh Ghezelahmad

- Solving practice problems.
- Troubleshooting students.
- Grading assignments.

Skills & Abilities

- Python – 80%
- TensorFlow – 30%
- Scikit-Learn – 40%
- NumPy – 60%
- Pandas – 50%
- MATLAB – 20%

- JavaScript – 60%
- HTML/CSS – 80%
- Git – 50%
- C++ – 10%
- R – 10%
- Go – 10%

- Prompting – 60%
- Word – 50%
- Excel – 40%
- PowerPoint – 50%
- Adobe Illustrator – 10%
- Figma – 10%

Related Courses

- Machine Learning
- Probability
- Numeric Linear Algebra
- Linear Optimization

- Set Theory and Logic
- Linear Analysis
- Linear Algebra
- Theory of Computation

Attributes

- Meticulous
- Hyper-focuser
- Competitor

- Logician
- Self-learner
- Adaptive