Shervin Iranaghideh

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EDUCATION

Islamic Azad University, Science and Research Branch (SRBIAU) |
B.S. Computer Science 2020—2024
Major: Computer Science | GPA: 3.23 (16.11 on 20 scale, last 3 years) |
Last 2 years GPA: 3.38 | Last semester GPA: 4 (19/20)

RESEARCH INTERESTS

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

RESEARCH EXPERIENCE

Research | Multi-Commodity Transportation | SRBIAU | Spring 2023
Supervisor: [Dr. Farhad Hosseinzadeh Lotfi](#)
- Mathematical modeling of Multi-Commodity Transportation Problems ([PDF](#)).
- Introducing a method for solving MCTP using SciPy Python.
- Making a program with simple UI that solves these problems and deploying it on HF Spaces for online demo using Gradio Python library.

WORK EXPERIENCE

Work | Front-end Developer | E-Commerce Brokers of Iran | Jul 2021 — Now
Supervisor: [Armin Rahimian](#)
- Contributing to various web development and web design projects as a member of Armin's team.
- Making and designing websites with DotNetNuke (DNN) and WordPress.
- Developing websites with HTML, CSS & JavaScript.
- Designing blog templates and writing blog posts for E-Commerce Brokers of Iran website.

Internship | Front-end Developer | E-Commerce Brokers of Iran | Sep 2020 — Jul 2021
Supervisor: [Armin Rahimian](#)
- Learning Web Development, Web Design, UI/UX and HTML/CSS & JavaScript.
- Learning DotNetNuke (DNN) and WordPress.

TEACHING EXPERIENCE

Teaching Assistant | Linear Optimization | SRBIAU | Fall 2023
Instructor: [Dr. Farhad Hosseinzadeh Lotfi](#)
- Generating practice problems for students.
- Holding practice problem solving sessions.
- Solving practice problems for students.
- Troubleshooting students and answering their course-related questions.

Teaching Assistant | Calculus 1 | SRBIAU | Fall 2023
Instructor: [Dr. Somayeh Ghezelahmad](#)
- Solving practice problems for students.

- Troubleshooting students.
- Grading assignments and quizzes.

PROJECTS & PRESENTATIONS

Project | Personal Website | Jul 2023

Designging and coding my [personal website](#) from scratch as complementary source in addition to my CV. (Code available on my [GitHub](#).)

Academic Project | Advanced Programming Course Final Project | Spring 2021

Made an application with Python programming language called "Music Suggester" that suggests music to users based on their taste after asking several questions.

Academic Presentations | University Courses Presentations | 2020-2023 | SRBIAU

- Operating Systems: Docker.
- Computer Networking: Domain Name System (DNS).
- Computer Systems: Cryptography.
- Linear Algebra: Applications in Machine Learning.
- Basics of Matrices and Linear Algebra: Proof of Theory.
- Algebra: Proof of Theory.
- Intro to Combinations: Proof of Theory.

SKILLS & TOOLS

- Programming Languages: Python, JavaScript, HTML/CSS, Go, MATLAB, C/C++, R.
- Libraries: NumPy, Pandas, Scikit-Learn, TensorFlow, PyTorch, Matplotlib, SciPy, Gradio, Kivy.
- Applications: MATLAB, Adobe Illustrator, Figma, Word (Docs), Excel (Sheets), PowerPoint (Slides).
- Other: Git (version control), DNN, WordPress.
- IDEs: PyCharm, WebStorm, Google Colaboratory, Jupyter Notebook.

TOEFL iBT

Overall: 99 (Reading: 25, Listening: 26, Speaking: 22, Writing: 26)

RELATED COURSES

Machine Learning	Numeric Linear Algebra	Set Theory and Logic	Linear Optimization
Probability	Linear Algebra	Linear Analysis	Artificial Intelligence (in progress, SRBIAU)

REFERENCES

- Dr. Farhad Hosseinzadeh Lotfi (SRBIAU Full-time Faculty) | [Google Scholar](#) | [Scopus](#) |
- Dr. Tofigh Allahviranloo (SRBIAU & İstinye Üniversitesi Faculty) | [Google Scholar](#) | [Scopus](#) |
- Dr. Somayeh Ghezelahmad (SRBIAU Full-time Faculty) | [Google Scholar](#) | [Scopus](#) |

Hobbies & Activities

Basketball (played 3 years semi-professionally - teams: Cyrus, Takhti - position: SG), Piano, Graphic Design, Other sports, Experimenting with language and diffusion models.