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: 3.32/4 (16.53/20 last 3.5 years)

RESEARCH INTERESTS

Machine Learning — Natural Language Processing — Human-computer Interaction

RESEARCH EXPERIENCE

Research | Multi-Commodity Transportation | SRBIAU | Spring 2023
Supervisor: [Dr. Farhad Hosseinzadeh Lotfi](#)

- Mathematical modeling of Multi-Commodity Transportation Problems ([PDF](#)).
- Introduced a method for solving MCTP using SciPy Python.
- Made a program with a simple UI that solves these problems and deployed it on HF Spaces for an 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.
- Developing 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](#)

- Learned Web Development, Web Design, UI/UX and HTML/CSS & JavaScript.
- Learned DotNetNuke (DNN) and WordPress.
- Contributed to web-development projects with insightful ideas and learning how to interact with customers and deliver their desired products on time.

TEACHING EXPERIENCE

Teaching Assistant | Linear Programming (Optimization) | SRBIAU | Fall 2023
Instructor: [Dr. Farhad Hosseinzadeh Lotfi](#)

- Conducted 1-hour practice problem-solving sessions.
- Provided troubleshooting support for students.
- Developed practice problems for students.
- Guided students in solving practice problems.

Teaching Assistant | Calculus 1 | SRBIAU | Fall 2023
Instructor: [Dr. Somayeh Ghezelahmad](#)

- Managed the final 45 minutes of each class, guided students in solving problems.
- Assessed student performance: Evaluated assignments, quizzes, and exams.

- Provided troubleshooting support for students.

PROJECTS & PRESENTATIONS

Project | Personal Website | Jul 2023

Developed, designed and coded my personal website from scratch as a complementary source in addition to my CV. (Code available on my GitHub.)

Academic Project | Advanced Programming Final Project | Spring 2021 | SRBIAU

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

Academic Presentations | University Courses Presentations | 2020-2023 | SRBIAU
- Operating Systems: Docker.
- Artificial Intelligence: 8-Queen Problem.
- 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 Combinatorics: Proof of Theory.

SKILLS & TOOLS

- Programming Languages: Python, JavaScript, Go, MATLAB, C/C++, R.
- Libraries: NumPy, Pandas, Scikit-Learn, TensorFlow, PyTorch, spaCy, NLTK, Matplotlib, SciPy, Kivy.
- Applications: MATLAB, Adobe Illustrator, Figma, Word (Docs), Excel (Sheets), PowerPoint (Slides).
- Other: Git (version control), Docker, HTML/CSS, GSAP, Plesk.
- CMS: DotNetNuke (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[1]	Artificial Intelligence	Numerical Analysis
Probability	Linear Algebra	Linear Programming
Numerical Linear Algebra	Logic	

REFERENCES

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

Hobbies & Activities

Basketball (played 5 years semi-professionally - teams: Cyrus, Takhti - position: PG & SG), Piano, Graphic Design, Other sports, Experimenting with language and diffusion models.

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[1] The official name for this course is "Topics in Computer Science" in which the professor chooses a computer science related topic for the course which in our case was Machine Learning. Coding assignments for this course are available on my GitHub.