

# 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)

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## RESEARCH INTERESTS

**Natural Language Processing — Machine Learning — Human-computer Interaction**

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## 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.
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## 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.
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**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.
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## 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.
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**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.
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## 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.
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## SKILLS & TOOLS

- Programming Languages: Python, JavaScript, Go, LaTeX, 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.
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## TOEFL iBT

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

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## RELATED COURSES

Machine Learning<sup>1</sup>

Probability

Numerical Linear Algebra

Artificial Intelligence

Linear Algebra

Logic

Numerical Analysis

Linear Programming

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## REFERENCES

- Dr. Farhad Hosseinzadeh Lotfi (SRBIAU Full-time Faculty) | [Google Scholar](#) | [Scopus](#) | [Email](#)
  - Dr. Tofiq Allahviranloo (SRBIAU & İstinye Üniversitesi Faculty) | [Google Scholar](#) | [Scopus](#) | [Email](#)
  - Dr. Somayeh Ghezalahmad (SRBIAU Full-time Faculty) | [Google Scholar](#) | [Scopus](#) | [Email](#)
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## 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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<sup>1</sup> 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.