

Kasra Sina

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EDUCATION

Bachelor of Computing Honours, Computer Science (Co-op) 2023 Sep – present | Guelph, Canada
University of Guelph

- Currently maintaining a **GPA of 4.0**
- Completing a Minor in Linguistics.
- College of Engineering and Physical Sciences Dean's Honours List (Fall 2023 and Winter 2024)
- Relevant Coursework: Discrete Structures in Computing (91%), Linear Algebra (98%), Intermediate Programming

TECHNICAL SKILLS

Programming Languages: Python, C, C++, Java, JavaScript, HTML, CSS

Operating Systems: Windows, Linux, macOS

Libraries and Frameworks: NumPy, Pandas, Scikit-learn, React

Development Tools: Git, Github, Gitlab, Visual Studio Code (VS Code), PyCharm, Nano, Jira, Asana, Microsoft Teams

Other Skills: Combinatorial Optimization, Heuristic Techniques, Data Visualization, AI Ethics, User Experience Design (UX), Research, Microsoft Office

PROJECTS

Portfolio Website [↗](#) 2024 Mar

Technologies: HTML, CSS, JavaScript

- Developed a responsive and interactive portfolio website to showcase full-stack development skills.
- Used HTML and CSS to implement a responsive design, ensuring optimal viewing across all devices.
- Utilized JavaScript to create dynamic content, enhancing user engagement and interactivity.

EXPERIENCE

Indicium Researcher 2024 Feb – present | Guelph, Canada

STEM Fellowship [↗](#)

- Conducting pioneering research on optimizing the Traveling Salesman Problem (TSP) for practical applications.
- Designing and implementing advanced solutions in combinatorial optimization and operations research, utilizing heuristic and approximation algorithms to enhance computational methodologies.
- Promoting strong collaborations within a multidisciplinary team, driving significant research advancements.
- Representing the University of Guelph at the STEM Fellowship's Indicium Research Competition.

Technology Committee Member

2024 Apr – present | Guelph, Canada

The Society of Computing And Information Science [↗](#)

- Utilizing the Makerspace equipment.
- Updating and improving the website.
- Facilitating students' quick access to The Makerspace equipment.

Event Facilitator

2024 May | Guelph, Canada

Battle STEM

- Developed and supervised educational activities for high school students to explore coding with AI, understand the fundamentals of Ethical AI, and acquire basic HTML skills.

CERTIFICATES

Data Visualization [↗](#)

Kaggle (2024)

Explored data visualization techniques using the Pandas library.

Intro to AI Ethics [↗](#)

Kaggle (2024)

Studied the moral design of AI systems.

Foundations of User Experience (UX) Design

[↗](#)
Google (2023)

Mastered foundations of UX research and design.

IELTS English Proficiency Exam

The British Council (2023)

Score: 8.0 / 9.0

LANGUAGES

• English - (Native / Bilingual)

• Persian - (Native / Bilingual)

• Spanish - (Conversational)