Kasra Sina

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EDUCATION

Bachelor of Computing Honours, Computer Science 2023 Sep – present | Guelph, ON
University of Guelph

- Minor in Political Science
- Dean's Honours List — College of Engineering and Physical Sciences (Fall 2023, Winter 2024, Fall 2024)
- Relevant Coursework: Data Structures (93%), Discrete Structures in Computing II (91%), Linear Algebra (98%)

TECHNICAL SKILLS

Languages — Python, C, C++, Java, JavaScript, HTML/CSS, R, SQL, Assembly

Tools — React, Spring Boot, Tkinter, Docker, Git, GitHub, Figma, Jira, Asana, R Studio, VS Code

Concepts — OOP, Agile/Scrum, UX Design, Discrete Mathematics, Data Visualization, AI Ethics

PROJECTS

YATDL - Task Management Web Application 2026 Jan – 2026 Feb
Technologies: Java, Spring Boot, React, Docker

- Served as Scrum Master on a 7-person Agile team, facilitating sprint planning, retrospectives, and on-time delivery within a 6-week timeline
- Developed full-stack features using Java (Spring Boot) on the backend and React on the frontend, implementing interactive UI components
- Configured Docker for containerized development and deployment; integrated JaCoCo for automated test coverage reporting across the CI pipeline

Algebro - Adaptive Intelligent Tutoring System 2025 Sep – 2025 Dec
Technologies: Python, Figma, Tkinter, SQLite

- Served as Design Lead for a 7-person cross-functional team building an ML-powered algebra platform that adapts difficulty in real time for grades 7–8 students
- Owned the end-to-end design process: facilitated user-needs workshops, created paper prototypes, and translated approved concepts into high-fidelity Figma mockups used as the implementation blueprint
- Built front-end screens in Tkinter from Figma designs; defined 100+ system requirements using MoSCoW prioritization; conducted quality reviews across all components

EXPERIENCE

Sales Specialist 2025 May – 2025 Aug | Toronto, ON
Browns Shoes Inc.

- Ranked in the top 10 sales associates nationally for footwear and shoe-care product sales twice
- Increased average transaction value through consultative selling and strategic cross-selling; built a returning clientele through relationship-driven service

Undergraduate Teaching Assistant 2025 Jan – 2025 Apr | Guelph, ON
University of Guelph

- TA for Discrete Structures in Computing II (CIS*2910) under Prof. Joe Sawada; evaluated student work in advanced graph theory, complexity analysis, and proof techniques
- Provided detailed, constructive feedback to strengthen students' logical reasoning and problem-solving strategies; upheld academic integrity across all assessments

Undergraduate Teaching Assistant 2024 Sep – 2024 Dec | Guelph, ON
University of Guelph

- TA for Discrete Structures in Computing I (CIS*1910) under Prof. Pascal Matsakis; graded 1,000+ assignments and exams
- Guided students through Boolean algebra, set theory, proof methods, and binary relations; invigilated exams for 500+ students

Indicium Researcher 2024 Jan – 2024 Jun | Guelph, ON
STEM Fellowship

- Implemented and benchmarked brute-force, simulated annealing, two-opt, and three-opt algorithms for the Travelling Salesman Problem in Python on a 5-person research team
- Refactored codebase using OOP principles; built data-visualization tools and utility functions to improve analysis workflows
- Represented the University of Guelph at the national Indicium competition