

AMIR HASRATI

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EDUCATION

University of Guelph

Sep 2022 – May 2027

Honours Bachelor of Computing, Co-op

Guelph, Ontario

- Computer Science Major
- University of Guelph Entrance Scholarship (\$3000)
- Data Structures, Algorithms, Object-Oriented Programming, Operating Systems, Full-Stack Development

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Java, C, HTML, CSS

Technologies: Git, Node.js, MongoDB, SQL, Docker, Makefile, Gradle

Frameworks: React.js, Express.js, Tailwind

Operating Systems: macOS, Ubuntu/Linux, Windows

EXPERIENCE

Teaching Assistant - Introduction to Programming

Sep 2023 – Dec 2023

University of Guelph

Guelph, Ontario

- Taught C programming concepts, including print-formatting, conditional statements, loops, functions, pointers, and structs to over 200 students.
- Graded coding assignments using an in-house automatic grading script and communicated accurate feedback and explanations to each student.
- Proactively followed instructor specifications and requirements, completing tasks efficiently and contributing to a cohesive teaching team, providing a positive learning environment for all students.
- Resolved student questions promptly, demonstrating a strong, conceptual understanding of programming foundations and adapted explanations to cater to different learning styles.

PROJECTS

Task Management App | MongoDB, Express.js, React.js, Node.js

Feb 2024

- Enhanced task management by implementing creation and deletion functionalities, utilizing React's useState hook within the TaskList component to efficiently maintain internal task data.
- Crafted reusable Task and Button components using React.js, effectively mitigating code repetition and enhancing code modularity.
- Implemented custom authentication middleware with Express.js, allowing for secure access to user-specific data and preventing unauthorized access to sensitive data.
- Integrated Express.js with MongoDB to create a flexible and scalable back-end solution for storing user tasks data.

Personal Website | JavaScript, Tailwind, Express.js, Node.js

Jan 2024

- Designed and implemented a personal portfolio website and deployed it with fly.io.
- Built elegant, interactive, and responsive UI using Tailwind and JavaScript.
- Implemented server-side routing with Express.js to render the correct HTML files based on the user's GET requests.
- Improved the user experience by implementing front-end state management with JavaScript.

Whack-A-Cloud | Python, Agile

Dec 2020

- Conceptualized and implemented a Whack-A-Mole style game using Python's Pygame library.
- Conducted team meetings, promoting collaboration and encouraging each member to effectively contribute to the project.
- Handled and managed user clicks with Pygame's event object to track and update the score of the game every frame.

EXTRA CURRICULAR

Guelph Coding Community

Feb 2024 – Present

Executive at Large

Guelph, Ontario

- Engage in a passionate coding community through social media, workshops, and networking events.
- Collaborate with fellow students to promote tech skills beyond the classroom.
- Assist in organizing hackathons, speaker nights, and other tech-related events.