Keeret Mahi

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Technical Skills

Languages: Python, C, Racket, HTML/CSS/JS
Developer Tools: VS Code, GitHub, Microsoft Suite
Technologies/Frameworks: Flask, Bash Scripting, Command Line
Math Courses Taken: Calculus I, Calculus II, Linear Algebra I, Proof-Focused Algebra, Data Structures and Algorithms

Education

Bachelor of Computer Science   **2024 - Present**
University of Waterloo   *Waterloo, ON*

Bachelor of Business Administration, Co-op Program   **2024 - Present**
Wilfrid Laurier University   *Waterloo, ON*

Projects

Outline → Calendar
Python, Flask, HTML/CSS/JS
- Parsed HTML tables from university outlines using Python and the BeautifulSoup library, applying tree traversal and string-matching algorithms to extract and convert course data into .ics calendar files.
- Used Flask routes and form libraries enforcing rules on required fields, to ensure error-free schedule imports, directly addressing the user requirement of generating a clean, standardized calendar.

Custom PC Builds
Computer Architecture, Operating Systems
- Assembled and configured multiple custom computers, through researching compatibility and functions of components such as the CPU, PSU, RAM, and storage components to deepen understanding of computer architecture.
- Installed and optimized operating systems (both Windows and Linux) by manually creating and managing partitions during setup to understand system organization and boot loaders.

Personal Portfolio Website
HTML/CSS/JS
- Converted Figma wireframes into modular HTML, CSS, and JavaScript components, applying responsive media design techniques such as flexbox, media queries, and grid to ensure functionality, and a positive user experience across devices.
- Deployed via GitHub Pages with Git version control, mirroring professional workflows and team development practices.

Experience

Chief Financial Officer of Chapter   **Sep 2023 - Jun 2024**
DECA Ontario Inc.   *Brampton, Ontario*
- Organized a series of successful food-based fundraising events during school breaks, generating over $750 to help subsidize DECA membership fees for students, thereby increasing accessibility and participation within the chapter.
- Facilitated weekly DECA training sessions on case analysis and presentation strategy for more than 100 students, by delivering practice problems and providing structured feedback, developing mentoring, teaching, and leadership skills.
- Competed in the DECA provincial case competition, collaborating with a partner to analyze a struggling tool shop's customer growth and proposing "Tool Tuesdays" in-person classes to boost engagement, applying business strategies such as demand curves, marketing budgets, and Porter's five forces, placing in the Top 15 in Ontario, and 3rd Place regionally.

Honours and Awards

Class of 2024 Valedictorian   **Sep 2023 - Jun 2024**
Castlebrooke Secondary School   *Brampton, Ontario*
- Delivered a five-minute commencement speech to 800+ attendees, following a competitive election process by the student body, thereby strengthening communication and audience engagement skills strengthening my ability to work in teams.
- Worked with principals, course department heads, council presidents, and Valedictorian coordinator, to create a speech which represented the entire student body, helping me understand how various roles work together to create a product