Brad Ramnarinesingh

bradramnarinesingh@gmail.com | 647-995-5382 | www.brad1.dev
github.com/Bradramnarinesingh | linkedin.com/in/brad-ramnarinesingh

CAREER OBJECTIVE

Computer science student aiming to leverage strong problem-solving and technical skills in software development and web design. Passionate about coding and problem-solving, seeking to contribute to innovative projects in a dynamic team. Eager to apply my programming knowledge and web technologies in a challenging environment.

EDUCATION

University of Toronto   Toronto, ON
Honors Bachelor of Science in Computer Science, Mathematics, and Statistics   *2021 - 2025*

RELEVANT COURSEWORK

- **Programming Fundamentals:** Data types, control, functions, classes in Python.
- **Advanced Concepts:** Data structures, encapsulation, algorithms, efficiency.
- **Software Development:** Version control, debugging, and testing methodologies.

TECHNICAL SKILLS

- **Languages:** Proficient in Python, Java; knowledgeable in R, JavaScript.
- **Web Development:** Experience with HTML/CSS; understanding of responsive design principles.
- **Tools and Methodology:** Skilled with Git for version control; introductory experience with Agile practices.

WORK EXPERIENCE

Sales Associate | *Peel Hardware & Supply*   May 2023 – Present

- Responsible for restocking and organizing products, ensuring a tidy and attractive sales floor, and managing inventory levels.
- Provided excellent customer service, responding to queries, offering product advice, and addressing concerns in a friendly manner.

PROJECTS

Huffman Lossless Compression System | *Python*

- **Efficient Algorithm Implementation:** Developed using Python to optimize data compression with minimal loss, leveraging advanced data structures and algorithms.
- **Data Integrity:** Ensured accurate data encoding and decoding through comprehensive input/output management.
- **Testing and Validation:** Conducted rigorous testing to guarantee high reliability and performance of the compression system.

Telecom Workflow Optimization System | *Python*

- **Workflow Optimization:** Developed a Python application to streamline telecom operations, enhancing customer contract management and billing processes.
- **Event Processing:** Implemented real-time processing features to manage events and automate billing cycles, improving operational efficiency.
- **GUI Development:** Created a user-friendly interface with advanced data visualization tools, facilitating improved decision-making and customer service.

Personal Website | *Figma, HTML/CSS, JavaScript*

- **Design and Development:** Led the full-stack development of a personal website, from conceptual design with Figma to coding in HTML, CSS, and JavaScript.
- **Responsive Design:** Ensured the site performs well on various devices by implementing responsive web design principles.
- **SEO Optimization:** Applied SEO best practices to improve the site's visibility and reach on major search engines.

House Prediction Project | *Java*

- **Data Analysis Framework:** Implemented in Java to analyze and predict housing price trends based on historical data.
- **Custom Data Handling:** Developed a system to read and process large datasets from files, converting textual data to structured numerical analysis.
- **Statistical Analysis:** Utilized statistical methods to forecast future trends in real estate prices and evaluate market conditions.