

# Brad Ramnarinesingh

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## CAREER OBJECTIVE

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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

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### University of Toronto

*Honors Bachelors of Science (Computer Science, Mathematics, and Statistics)* 2021 – Present (Expected in 2025)

## TECHNICAL SKILLS

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**Languages:** Python, Java, R, JavaScript and HTML/CSS  
**Developer Tools:** PyCharm, VS Code, R Studio, ArcGIS Pro

## RELEVANT COURSEWORK

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- Introduction to Computer Programming (Programming fundamentals in Python, covering elementary data types, control flow, functions, classes, basic algorithms, and problem-solving.)
- Introduction to Computer Science (Advanced programming concepts including abstract data types, data structures, encapsulation, object-oriented programming, program efficiency analysis, and recursion.)

## PROJECTS

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### Huffman Lossless Compression Program | *Python*

- Developed a Huffman Lossless Compression algorithm in Python for an advanced programming course, focusing on the efficient use of data structures and programming techniques.
- Implemented the Huffman compression algorithm using Python's built-in functions and libraries to achieve effective data compression.
- Handled file input/output operations, data encoding and decoding, maintaining data accuracy throughout the compression process.
- Incorporated thorough error handling to improve the program's resilience and reliability against potential issues.
- Conducted rigorous testing to ensure the program's capability in accurately decompressing files.

### Phone Company Management System | *Python*

- Developed a Python-based management system for a phone company, featuring efficient data structuring for tracking customer contracts and phone lines.
- Created features for processing call events and advancing billing cycles, improving billing accuracy according to contract terms.
- Implemented a GUI with filters for visual analysis of call data.

## EXPERIENCE

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### Web Developer/Designer | *Freelance*

- Focused on designing and developing visually appealing and functional websites.
- Emphasized custom designs for user-friendly layouts and responsive experiences.
- Experienced in HTML and CSS, producing structured and clean code with modern design elements for compatibility across browsers.
- Used WordPress for site development, customizing themes and integrating plugins to enhance functionality.
- Efficient in identifying and fixing technical issues to maintain optimal website performance.

### 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.
- Handled payment transactions accurately, including operating the cash register.