

# Danindu Marasinghe

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*Full stack Software Developer with a diverse programming skill set that fits your project's needs.*

[Portfolio](#)

[GitHub](#)

[LinkedIn](#)

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## Skills

- **Languages/Libraries**
  - Java, Apache POI, C, R, R Shiny, SQL, JavaScript, Redux, React, PHP, UML, Python, pytest, MATLAB, TypeScript, COBOL, Ada, Fortran, HTML, CSS, Bootstrap
- **Programs/Tools**
  - PostgreSQL, Jenkins, Android Studio, Eclipse IDE, IntelliJ IDEA, VS Code, GitHub, GitLab, WooCommerce, Microsoft SSMS, Microsoft Office, Google Firebase, Cypress.io, Maven, Figma, WordPress
- **Operating Systems**
  - Windows, Linux, Android, MacOS

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## Education

### **B. Comp. (Computer Science) | Minor in Mathematics – Year 4**

Present | University of Guelph, Guelph ON  
Guelph, Ontario

- **Molecule Viewer** – Full-stack application developed in C, Python, HTML, CSS, and JavaScript that allows the input, viewing, and analyzing of 3D molecules. Application available [here](#).
- **Text Stats** – Application developed in Ada for a Legacy Systems class project to allow users to enter a text file and retrieve statistics about the text. Application available [here](#).

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## Work Experience

### **Mainframe Operations Analyst & Cloud Developer | May 2023 – August 2023**

RBC | Toronto ON | [About](#)

- Monitoring mainframe panels to ensure technical problems are dealt with efficiently
- Scheduling, running, and cancelling batch jobs
- Using the Python pytest library to write tests for back-end functionality
- Using TypeScript, Redux, and React to develop web pages and components

### **Data Scientist | May 2022 – December 2022**

Roche Canada | Mississauga ON | [About](#)

- Understanding clinical trial data and applying data manipulation techniques as required
- Creating R Shiny web apps to display tables, listings, and plots
- Using Java and Spring Boot to develop and test code to aid in parsing spreadsheet data
- Using JavaScript, React, and Cypress to develop tests for a full-stack web app in an agile environment

## Teaching Assistant | September 2021 – Present University of Guelph | Guelph ON

- Course:
  - CIS\*1910 – Discrete Structures I
  - CIS\*2910 – Discrete Structures II
  - CIS\*1300 – Programming
- Facilitating lab sessions and collaborating with students on practice questions
- Recording assignment solutions
- Holding office hours
- Answering questions in live lectures
- Developing auto-grader software

## Private Tutor | September 2019 – September 2021

- Tutored students in grades 9-12 Mathematics, Physics, and Computer Science courses

## STEM Tutor | June 2019 – September 2019 Math4Me | Brampton ON

- Tutored STEM subjects (e.g., Mathematics, Chemistry, Physics) for students in grades 9 to 12 (academic and applied stream)

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## Projects

**CarDealership Project** – Java Swing application that simulates a Honda dealership employee/customer user interface. Developed for Grade 12 university level Computer Science final project. Application available [here](#).

**GTA Challengers Sports Club Website** – A website for a sports club designed and co-developed using PHP, Bootstrap, HTML, and CSS. Website available [here](#).

**RexallPrescriptionData** – Java program that uses the Java Apache library for Microsoft Excel to analyze data from Rexall Pharmacy customers. Application available [here](#).

**Elephant King Fitness Blog** - A WordPress blog that I created to showcase my fitness journey. Website available [here](#).

**Programming Assignment 1 Auto-grader** – A Java object-oriented program that allows teaching assistants to automatically compile student assignment files and displays a series of prompts based on a grading scheme. Code available [here](#).

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## Extra-Curricular Activities

- Society of Computing & Information Science - **Vice-President Communication** | April 2021 – Present
  - Organizing meeting minutes, publishing electronic documents, coordinating with Year Reps, and managing marketing materials
- Computer Club - **President** | February 2018 – June 2019
  - Managed projects and taught students how to design websites with HTML and CSS