

# 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, Node.js, 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, Selenium
- **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

### **Automation Developer | January 2024 – Present** **Co-operators | Guelph ON**

- Automating and executing release regression tests for deployed applications
- Making fixes and improvements to a test automation framework using Java and Selenium
- Developing proof-of-concept programs for research spikes using Python
- Monitoring and configuring a CI/CD pipeline using Jenkins

### **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 & Software Developer | 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**

- Courses taught:
  - CIS\*1910 – Discrete Structures I
  - CIS\*2910 – Discrete Structures II
  - CIS\*1300 – Programming
  - COOP\*1100 – Introduction to Co-operative Education
  - CIS\*1200 – Introduction to Computing
- Facilitating lab sessions and collaborating with students on practice questions
- Grading and giving students feedback on assignments/assessments
- Holding office hours
- 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 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](#).