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

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, AJAX
- **Programs/Tools**
  - PostgreSQL, Jenkins, Eclipse IDE, IntelliJ IDEA, VS Code, GitHub, GitLab, Microsoft Office, Cypress.io, Maven, Figma, WordPress, Selenium
- **Operating Systems**
  - Windows, Linux, Android, MacOS

Education

B. Comp. (Computer Science) | Minor in Mathematics – Year 4
Present | University of Guelph, Guelph ON
Guelph, Ontario
Graduating April 2025

- **Molecule Viewer** – Full-stack application that utilizes PostgreSQL, AJAX, 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.

Work Experience

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

- Automating and executing release regression tests for deployed applications using Maven configurations
- 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
- Creating wireframes for micro frontends using Figma
- Using the Python pytest library to write tests for REST API calls
- Using TypeScript, Redux, and React to develop web pages and components

Data Science Associate & 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 for data visualization
- 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)

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 POI 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](#).