

Mohamed Harmanani

ASPIRING SOFTWARE ENGINEER

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Education

University of Toronto

Toronto, ON, Canada

HONOURS BACHELOR OF SCIENCE: SPECIALIST IN COMPUTER SCIENCE

2016 - 2020

- cGPA: 3.11/4.00

Experience

OGERO Telecommunications

Beirut, Lebanon

SOFTWARE DEVELOPMENT INTERN

Apr 2018 - May 2018

- Implemented tools to perform basic data analysis on datasets pertaining to enterprise and employee daily performance.
- Implemented algorithms to fetch, pull, and visualize data for the company's ticketing system.
- Greatly cut down time spent gathering data and writing reports.

Skills

Programming

Strong background in: Java, Python, C, Bash, SQL, HTML, CSS

Software Design

Strong understanding of Object-Oriented paradigms and design patterns to write modular and efficient code

Agile Development

Experience using Scrum for agile development and knowledge of the software development lifecycle

Version Control

Experience with Git for version control and managing team projects

Relational Databases

Knowledge of relational databases and data manipulation with MySQL

Web Technologies

Proficiency in HTML 5 and CSS 3, and basic knowledge of JavaScript

Side Projects

Unbeatable Tic Tac Toe

MVC APPLICATION

- Used the minimax algorithm to implement an unbeatable artificial agent for Tic-Tac-Toe
- Designed a clean, minimalist user interface with Java AWT and Swing

Episode Recommendation System

COMMAND LINE INTERFACE

- Wrote scripts to scrape and store TV show data from IMDb into a database.
- Implemented a recommendation system that matches keyword input from the user with the data.
- Implemented the TF-IDF, cosine similarity, and Jaccard procedures to perform basic content-based filtering and natural language computing.

Course Projects

Paint Clone

MVC APPLICATION

- Implemented a MS Paint clone program using Java Swing, AWT, and Graphics2D.
- Added save and load functionalities.
- Used Scrum to work on the first part of the project as part of a team of four, then in pairs.
- Helmed the first part as Scrum master, and oversaw adequate division of roles and user stories.

Extracurricular Activities

Gordon Investment Research

University of Toronto

FINANCE SEMINAR

Oct 2018

- Attended the GIR seminars where I covered topics such as accounting, asset management, economic analysis and financial modelling.