

Mohamed Harmanani

ASPIRING SOFTWARE ENGINEER

Mississauga, ON, Canada

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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
- GPA across Computer Science courses: 3.33/4.00
- Minors in Philosophy and Ethics

Experience

OGERO Telecommunications

Beirut, Lebanon

SOFTWARE ENGINEERING FREELANCER

Apr 2018 - May 2018

- Developed tools to improve analysis and reporting of data pertaining to enterprise and employee daily performance.
- Implemented algorithms to retrieve, parse, and visualize datasets, with the help of Matplotlib, pandas and NumPy.
- Cut down time spent writing reports by 75 percent

Skills

Programming Languages

Python, Java, C, Bash, Assembly, HTML, PHP, CSS
English, French, Arabic, Spanish

Communication Skills

Strong verbal and written communication, can express and implement ideas clearly in collaborative environments

Software Design

Knows how to use effective design patterns, and how to improve workflow for team projects using Git

Systems Programming

Experience with Unix systems, pipelined architecture, sockets, and shell scripting in languages like Bash.

Personal Projects

Unbeatable Tic Tac Toe

MVC APPLICATION

- Implemented the minimax algorithm to render the AI unbeatable.
- Designed a simplistic, elegant user interface with Java AWT and Swing to imple

Personal Website

STATIC WEBPAGE

- Used HTML and CSS to implement my own personal website, with emphasis on look and design.
- Designed to document my progress, and showcase some my code and projects.

Course Projects

Paint Clone

GRADE RECEIVED: 117/100

- 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

DeerHunt II Programming Competition

University of Toronto, Mississauga

PARTICIPANT

Jan 2018

- Applied various skills in computer science, mathematics and statistics to progress through challenging problems

LAU Computer Science Summer Institute

Lebanese American University

PARTICIPANT

Jun 2012 - Jul 2012

- Gained skills in web development, and learned how to use languages such as HTML, PHP, CSS to make a multimedia website
- Won 3rd place