

Omar Agamy

156 Pleasant Park Rd

Ottawa, Ontario, K1H 5M5

416-526-5267 | omaragamy@cmail.carleton.ca | github.com/OmarAgamy9 | <https://omaragamy9.github.io/>

EDUCATION

Bachelor of Engineering, Software, Co-op Option

September 2017-Present

Carleton University, Ottawa, ON

- 3rd Year Undergraduate, CGPA 8.72/12.0 (B)
- Expected Graduation June 2022

AVAILABILITY

Available for 4 months beginning September 2020

RELEVANT SKILLS, EXPERIENCES, AND ACCOMPLISHMENTS

Technical Skills

- Proficient with Java, Python, C, C++. C#, Go, MatLab GIT, and Linux.
- Experienced with using C language to program embedded real-time systems.
- Capable of testing programs using JUnit testing.
- Accustomed with Business Intelligence tools as DataStage and Cognos IBM and SQL to do data analysis.
- Skillful with web development tools such HTML, CSS, JavaScript, and PHP.
- Practiced in game development using the engine Unity.
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Communication Skills

- Efficient oral and written communication skills.
- Expert at problem solving skills.
- Competent in presentations.
- Trained in teaching and explaining material conveniently.

APPLIED PROJECTS

Role: Member

September 2019-December 2019

Software Development Project

- Used Java Swing to create a GUI to program a replica of the game JumpIn
- Added features such as saving, loading, undo, and redo using Serializable library in Java
- Tested all of the code written and communicated with my colleagues perfectly to assign roles.
- Used JUnit testing method to ensure that the game works.
- Implemented Breadth-First Logic and Bubble Sort to create some game features.

Role: Owner

April 2020-May 2020

Self-Made Website

- Used HTML, CSS, and JS, and PHP to create the website omaragamy9.github.io
- Used Ajax, JQuery, and Bootstrap to make the website more dynamic.

Role: Owner

March 2020-April 2020

AA Game

- Used the game engine Unity to develop a replica of the game called AA.
- Used C# for the development of the game and Unity's built in libraries to build the game physics.
- Added levels, scores, and menus to the game.

Role: Owner
Chat Box Bot

September 2019-December 2019

- Used Java Swing to create a chat box that could interact and answer questions.
- Created a wide variety of responses the bot could reply.

Role: Group Leader
Communication Skill Project

September 2018-December 2018

- Used research skills to write reports on how self-driving use and implement GPS.
- Supported and advised team members to give proper presentations.

Role: Group Leader
Reverse Engineering Project

September 2017-December 2017

- Assigned roles for each of the team members.
- Collaborated with team members to reverse engineer a hanging hook design.
- Trained some of my team members to use 3D modeling software, AutoCad.

WORK EXPERIENCE

Programmer/Analyst

January 2020- April 2020

Canadian Revenue Agency (CRA), Ottawa, Ontario

- Attended daily Scrum meetings where the team shared their daily plans.
- Used Java Swing to create a web application to help CRA clients.
- Tested the Java code with JUnit testing to ensure the effectiveness of the code.

IT Developer

January 2020- April 2020

Canadian Revenue Agency (CRA), Ottawa, Ontario

- Attended daily Scrum meetings where the team shared their daily plans.
- Used the ETL tool, DataStage, and SQL to achieve data organization.
- Used Linux command line to change how rows are stored in files
- Worked with my team successfully to solve issues assigned by the client about the database.

Concession Cashier

September 2019-December 2020

TD Place, Ottawa, Ontario

- Showed a lively attitude with customers to increase customer satisfaction.
- Ensured integrity when dealing with cash or credit transactions
- Kept records of all sold products and monitored cash limits.

Linear Algebra Teaching Assistant

September 2018-December 2018

Carleton University, Ottawa, Ontario

- Explained and clarified Linear Algebra material for students.
- Provided informative lectures and presentations.
- Conducted office hours to help students improve their knowledge on the course material and also gave out of hours lessons for students who're finding difficulties in the material.
- Had responsibility from the professor to invigilate students during tests and mark those tests impartially.

VOLUNTEER EXPERIENCE AND EXTRACURRICULAR EXPERIENCE

Role: Organizer Bake Sale, Global International School

March 2017-March 2017

- Sold food and items to students.
- Calculated total payments received.
- Organized lines of students to ensure order.