

# **Emmanuel K. Asinyo**

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GitHub: <https://github.com/easinyo>

Portfolio: [https://github.com/easinyo/My\\_Portfolio/blob/master/Portfolio.pdf](https://github.com/easinyo/My_Portfolio/blob/master/Portfolio.pdf)

## **OBJECTIVE:**

Software engineer, who is solution-driven and multilingual, seeks a dynamic company, where my-in-depth knowledge of software development and tools will be maximized.

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## **EDUCATION**

September 2016 – April 2020

**Bachelor of Applied Science Software Engineering (Co-op)**

University of Ottawa, Ottawa, Ontario

•Dean's honor list fall 2017, 2018 and 2019 (**GPA 8.21/10**)

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## **SKILLS**

### **Mobile & Web Development**

Java  
Kotlin  
Android SDK  
XML  
PHP  
HTML5/CSS3

### **Software Development Methodologies**

Agile methodology  
Test Driven Development  
Behaviour Driven Development

### **General Skills**

User Interface Design  
User Interface Analysis/ UX  
MVP design pattern  
OOP

### **Databases**

SQL  
SQLite  
MySQL  
PostgreSQL  
Database design

### **Software Quality Assurance**

Unit test  
UI test  
Scripting  
Software automation using Slash framework and Jenkins

### **Data Communications and Networking**

TCP/IP model  
OSI model  
IPv4/IPv6

### **Operating system**

Windows  
Linux/Unix  
OS X

### **Other Computing Languages and Tools**

C / C++ / C#  
UML  
Eclipse/ NetBeans  
Git/ GitHub  
Confluence/ Jira  
Slack

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## **PROJECTS**

### **Stock Prediction Software**

**An application based on AI concepts and algorithms that will predict future stocks prices:**

- Using supervised learning and deep-learning models.
- Exploring TensorFlow.
- Using stimulation of the dataset to display the results graphs.

### **RideShare App**

**Android application using Rest API, CI, Java and Kotlin. Users (drivers / riders) can:**

- Sign in and sign up through the app.
- Search for rideshare across Canada from city A to city B.
- Post a ride and look for riders.
- Pay for the service and successfully connect to a driver.

## Tip Calculator

### Simple Android Tip calculator using Abstract data types,

- Allows the user to enter the bill amount, the number of people and tip percentage.
- Calculates a suggested tip in case the user is unsure.
- Sets up the currency and default tip percentage.

## Olympic Games Database

### Web application, that will display the database content of Games Organizing Committee (OCOG). It is implemented by:

- Using PHP, HTML/CSS to display the front-end content.
- Building relational database with SQL hosted on PostgreSQL server.

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## WORK EXPERIENCE

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09/2019 – Present

### Teaching Assistant (Python, and C programming courses)

09/2018 – 12/2018

University of Ottawa, Engineering Faculty, Ontario

- Led Lab and helped students understand numerous class concepts.
- Corrected assignments and conducted office hours to answer several questions.
- Responsible for creating a Python tool that will automate assignment corrections.

05/2019 – 08/2019

### Software Integration Engineer (Co-op)

Ford Motor Company of Canada, Ottawa, Ontario

- Performed Software and Feature Level Testing on the connected vehicle platform.
- Responsible for executing, troubleshooting and issue isolation.
- Teamed with developers to; validate feature implementation and fix bugs.
- Implemented Test Automation (using Python).

01/2019 – 04/2019

### Web Content Developer

University of Ottawa, Ontario

- Prepared content for publication to the web site.
- Designed user interface mockups.
- Researched and analyzed features to be implemented.

09/2018 – 12/2018

### Software Developer Co-op (Android)

BlackBerry Messenger (BBM), Ottawa, Ontario

- Refactored the codebase and removed unused code.
- Corrected various bugs that might affect the user experience.
- Designed and developed advanced functionalities with the Android platform.
- Implemented UI and Unit tests for each functionality.

01/2018 – 04/2018

### Software Automation Tester (Co-op)

Ford Motor Company of Canada, Ottawa, Ontario

- Developed and maintained automated test framework, tools and test scripts.
- Conducted code reviews with developers and testers.
- Interfaced with technical teams to determine the root cause of issues and validate fixes.

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## REFERENCES

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Mr. Matthew Stephenson  
Software Tester  
Ford Motor Company of Canada  
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Systems Analyst  
University of Ottawa  
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