Bardia Goharanpour

(+1) 226-820-6469 | bardiagoharanpour@yahoo.com | thebardia | bardiagoharanpour

- Computer Science at YorkU (graduated 2020)
- Experience with numerous coding languages such as C/C++, Java, Javascript, Python, and more in designging applications, Android apps, databases, microservices, REST APIs and more.
- Passionate and eager to constantly grow in the field and expand my list of capabilities

Skills & Concepts

Languages   C, C++, Java, JavaScript, SQL, Python, Eiffel, HTML, CSS, PHP, smalltalk, drRacket, QBasic

Concepts   Linux, Concurrency, Multithreading, Synchronization, Microservices, REST APIs, UX/UI, VR, Game Engines (Unreal Engine, Unity)

Education

B.Sc. Computer Science
Jan. 2017 - Apr. 2019

YORK UNIVERSITY
North York, Ontario, CA

- Relevant topics include: C, Java, Operating Systems, Web Development, Databases, UX/UI, VR and more
- Developed 3 distinct Deep Learning algorithms during a self-study course: a stock prediction algorithm, an animal classification algorithm, and the final one being a self-taught emotion detection algorithm that would utilize the webcam and guess the user's facial expression
- Developed algorithm used intandem with a robot arm with 3 degrees of freedom and a webcam, and as many colored 3d printed cubes on the table. The algorithm would move the robot arm to pick the cubes one at a time and sort and stack them based on color

Computer Programming Applications Certificate
Jan. 2016 - Dec. 2016

RYERSON UNIVERSITY
Toronto, Ontario, CA

- Notably developed an Android application that would accompany gym trainers at work, keeping tracking of their users, types of workouts, schedule, and number of reps/weight of the exercise performed by clients

Computer Science
Sep. 2011 - August. 2013

UNIVERSITY OF WATERLOO
Toronto, Ontario, CA

Work Experience

Data Analyst and Software Developer
Nov. 2019 - January 2021

LEA CONSULTING LTD.
Markham, Ontario, CA

- Developed Android application using Android Studio for internal use of the company employees out on site visits, with the following abilities
  - Create a entry by taking pictures out on the field, automatically attaching geo-location to the image, as well as a description of the context entered by the user
  - Upload each entry to an SQL database sitting on company server. Each entry would belong to a project, as well as a report number
- Developed a web interface for the employees to access the submitted entries, with the ability to
  - Filter entries based on project and report number
  - View the filtered entries on a map using OpenStreetMap according to their geo-location
  - Dynamically generate PDF reports by picking which entries to be included
- Worked with the City of Toronto as a consultant on a project that would publish the Signal Phasing and Timing information (SPaT data) of all the intersections inside the City of Toronto to the Toronto Open Data Portal
  - Helped design and recommend an architecture for the propsoed system
  - Worked on defining VM requirements based on system load and amount of processing power needed
- Developed software for hardened PCs and sensors attached to them that would be deployed to the field and traditionally be accessed in person via a usb cable. My work included
  - Port forwarding through a modem attached to the device that would allow SSH access to the device from company servers
  - Developed scripts that would remotely/periodically read the sensor data off the hardended PC and store for historical purposes, as well as monitor the incoming data for peaks in sensor readings
  - In the event of a peak, an entry in a specific SQL database would be created, as well as the right people would be notified via email

Marketing Assistant and Website Developer
Jul. 2019 - Nov. 2019

LEA CONSULTING LTD.
Markham, Ontario, CA

- Worked with the marketing team to curate, gather and write material for the new company website
- Developed custom webpages for the new company website using HTML, Javascript and CSS

Junior Developer
May. 2013 - August. 2013

AFILIAS INC.
Toronto, Ontario, CA

- Used multiple languages including PHP, Javascript, HTML, CSS and Python
- Helped implement and oversee weekly software updates to the company customers
- In charge of an entire new design for sections of the company website, both for client and public view