

Bardia Goharanpour

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- **Computer Science** at YorkU (graduated 2020)
- Experience with numerous coding languages such as **C/C++**, **Java**, **Javascript**, **Python**, and more in designing **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

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, 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 in tandem 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 an 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 proposed 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 hardened 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