

Dilanga (Don) Algama

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EDUCATION

UNIVERSITY OF OTTAWA

B.Sc. IN COMPUTER SCIENCE &
MINOR IN BUSINESS MANAGEMENT
Expected June 2021 | Ottawa, ON

ST.PIUS X HIGHSCHOOL

Graduated 2015 | Ottawa, ON

COLOMBO INTERNATIONAL

Grade 1-9 | Colombo, LK

LINKS

Github:// [dalgama](#)

LinkedIn:// [dilanga-algama](#)

SKILLS

PERSONAL

Good Communicator • Team Player
Enthusiastic & Self Motivated Innovator
• Creative Problem Solver • Innovative
Collaborative

PROGRAMMING

Java EE • C++ • C • Python • Scheme
OCaml • GoLang • Prolog • Drupal 7
Drupal 8 • XML • HTML • CSS • SASS
Javascript • PHP • MySQL • PostgreSQL
Docker • Lando • Shell Script • NodeJS
JIRA • Gitlab • Confluence • SharePoint

LANGUAGE

English • Sinhalese

COURSEWORK

UNDERGRADUATE

- A.I Learning Algorithms
- Information Retrieval System
- Object Oriented Programming
- Server-Side & Client-side Architecture
- Data Structures & Algorithms
- Design Patterns
- Programming Paradigms
- Databases Pattern (Relational)

REFERENCES

Available upon request

EXPERIENCE

UNIVERSITY OF OTTAWA | JUNIOR WEB DEVELOPER

May 1 2019 – April 31 2021 | Ottawa, ON

- Monitoring module functionality, fixing bugs and making corrections where the modules are lacking in functionality and adding new figures based on the clients requests.
- Decommissioning modules and features specially on the main uOttawa site.
- Front-end page creation with custom styling for different sub-domains.
- Creating migration script to migrate data from one CMS to another.

MIDWAY FAMILY FUN PARK | ARCADE MACHINE PROGRAMMER

Sep 2013 – Feb 28 2016 | Ottawa, ON

- Responsible for setting up the winning rates on arcade machines.
- Fixing Mechanical issues such as replacing motherboards.
- Setting up the computer system on new machines
- Fixing coin jams in machines / system errors

APPLIED PROJECTS

DEVELOPMENT OF A NEURAL IR SYSTEM 2021 | Ottawa, ON

Developed this system on Python Platform. The objective of the system is to calculate a similarity score (multiple approaches) between a crawl of Tweets (Twitter) with a given set of queries. This system is useful to find tweets related to a set of queries you have in hand, where you would like more information about or related tweets.

DEVELOPMENT OF A ONLINE CHAT PLATFORM 2020 | Ottawa, ON

Developed a Dynamic Website on PHP Platform, where users can chat with other anonymous users based on common interests. Server-side was running on a AWS server with Amazon DynamoDB database. Designed the front-end using HTML. The main components used to create the website was PHP, HTML, CSS, AWS and JS.

DEVELOPMENT OF A WEB APP 2018 | Ottawa, ON

Developed a Dynamic Web APP on Java EE Platform, where users can rate website restaurants they have visited. Server-side was running on Apache Tomcat server with PostgreSQL database. Designed the front end using HTML. The main components used to create the website was PHP, HTML, Apache Tomcat, PostgreSQL and Java EE.

DEVELOPMENT OF A JAVA DATA SYSTEM 2017 | Ottawa, ON

The system was created for the Paris subway system. The system finds the most efficient and time saving route to take from the starting to ending location. The design provides the distance from each station that needs to be visited and the names of the stations. The system was created using libraries in Java EE.

VOLUNTEER EXTRA CURRICULAR ACTIVITIES

- 2021 uOttHack Mentor - Hackathon
- 2019 uOttHack Mentor - Hackathon
- 2018 uOttHack Participant - Hackathon
- 2017 Special event (101 Week) volunteer - (SFUO)

REWARDS

- 2013 Grade 10 honors student
- 2014 Grade 11 honors student