Khyber Lahori

613-600-7218 | khyber987@gmail.com| klahori.github.io

EDUCATION

UNIVERSITY OF OTTAWA
BASc in Computer Engineering
Class of 2020 | Ottawa, ON

CERTIFICATES

Data structures & Algorithm Nanodegree

LINKS

Github:// **klahori**
LinkedIn:// **khyberlahori**

COURSEWORK

Data Structures and Algorithms
Operating Systems
Databases I
Software Construction
Advanced Programming Concepts in C++

SKILLS

PROGRAMMING

Python	C	CSS
C++	Java	JavaScript
SQL	HTML	PHP

TECHNOLOGIES

Git	Docker	React
Postgres	Flask	Django

TOOLS

Eclipse	Trello	CircleCI
VS Code	Android	Slack
Atom	Studio	Linux
CodeBlocks	Matlab	Windows

AWARDS

Dean's Honour List
U of O Merit Scholarship

INTERESTS

Raspberry Pi
Tinkering
Web Development
Chess

PROJECTS

SMART STICK | Capstone
Sept 2019 – April 2020

- Developed **python** code to calculate distance from an Ultrasonic sensor improving its accuracy by 50%
- Created and trained a **TensorFlow** Model in order to detect the pedestrian light and increased its accuracy to 97%
- Participated in **peer code review** in order to accelerate software development

HOME RENTAL WEB APP | Database Web App
March 2020 – Apr 2020

- Constructed an **E-R diagram** representing the conceptual design of our database
- Defined necessary constraints that would ensure the correctness of the database
- Implemented User authorization and authentication system using **PHP** and **PostgreSQL** to ensure user security

ROBOTIC ARM | Matlab Project
Sept 2019 – Dec2019

- Designed a shape recognition program in **MATLAB** that accurately predicted the shapes 90% of the time
- Developed a MATLAB **script** to ensure our robotic arm and camera worked together to pick an object up and place it in the correct spot

ON-DEMAND HOME REPAIR SERVICE | Android Application
Sept 2018 – Dec 2018

- Designed class diagrams of the system using unified modelling language (**UML**) so the team had the overview model of the system we were making
- Implemented database to record user profile and updates in real-time
- Ensured application was properly integrated with Android APIs
- Tested the application using **JUnit** and **CircleCI** test cases decreasing bugs on our master branch

EXTRACURRICULAR ACTIVITIES

STARTUP WEEKEND | Team Member
Nov 2018 – Nov 2018 | Ottawa, ON

- Developed the database for our Android app using firebase
- Worked as a front end developer and designer on our website using **HTML**, **CSS** and **Bootstrap**

ROBOTICS CLUB | Instructor
Jan 2018 – April 2018 | Ottawa, ON

- Taught theoretical engineering concepts to **6+** students on a weekly basis
- Taught students about 3D printers, Arduinos, and electrical circuits
- Prepared practical workshops where students gained hands on experience
- Attended teaching workshops to keep-up-to date with market technologies