Nida Abbas Bandukwala

Student

An enthusiastic computer science student, currently pursuing a bachelor's degree at McMaster University.

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EDUCATION

Bachelor of Applied Science - Honours Computer Science
McMaster University

09/2019 - 05/2020   *Hamilton, ON, Canada*

Core Courses

- Introduction to Computational thinking
- Introduction to Programming
- Engineering Mathematics II-A
- Engineering Mathematics I
- Computer Science Practice and Experience : Basic concepts
- Engineering Mathematics II-B

A levels
The Lyceum School

08/2017 - 06/2019   *Karachi, Pakistan*

Courses

- Physics
- Computer Science
- Mathematics

RELEVANT EXPERIENCE

Teacher
The Citizens Foundation

07/2018 - 07/2018   *Karachi,Pakistan*

The Citizens Foundation is a non-profit organisation which focuses on providing education to children in rural areas and urban slums of Pakistan.

Achievements/Tasks

- Managed a classroom with 20+ students from grades 1-4.
- Developed daily agendas with a group of 10+ instructors and volunteers.
- Implemented daily lesson plans for the subjects of Mathematics,English, and Urdu.
- Developed various interactive group activities for sports and arts & crafts.
- Implemented a daily word chart to help students enhance their vocabulary and form sentences in the proper sense.
- Held auditions within the class for a chance to participate in the final school play.
- Worked with a group of 5 teachers to craft various props for the school play.

SKILLS

Time management · Teamwork · Communication Skills · Microsoft Office suite · Haskell · Python · Effective classroom management

RELEVANT PROGRAMMING EXPERIENCE

Python
- Developed a program which allows a person to send emails through a single piece of code.
- Created a program to check whether someone's password has ever been hacked.
- Built a program that allows you to merge PDF files.

Haskell
- Developed a module that implements standard operations over Gaussian integers.
- Developed a derivative calculator that also performs minor simplifications on functions.
- Created a practical higher-order function that calculates the value of a definite integral using the trapezoidal rule.

CERTIFICATES

Udemy - Complete C# Unity Game Developer 2D (05/2020 - 05/2020)

Udemy - Complete Python Developer in 2020: Zero to Mastery (12/2019 - 05/2020)

Cogmation Robotics and iKNOWvation Lab - Virtual Robotics workshop (10/2017 - 11/2017)
This workshop allows students to learn how to design robots and work with them in a simulated computer environment.

CO-CURRICULAR ACTIVITIES

Model United Nations IBA (01/2017 - 01/2017)
Participated in a weekend-long MUN conference held at the Institute of Business Administration in Karachi,Pakistan.

LANGUAGES

English
Full Professional Proficiency

Urdu
Native or Bilingual Proficiency

INTERESTS

Reading · Art · Photography