Md Rufiyat Mahdi

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Engineering Co-op Program
University of Alberta

UNIVERSITY OF ALBERTA – ACADEMIC & CO-OP STATUS

Computer Engineering – Nanoscale System Design, Bsc Co-op	**Class of 2023**
Completed Academic Terms	5 of 8
Completed Co-op Work Terms	1 of 5
Availability Starting May 2021	4 months

TECHNICAL SKILLS

Design: Xilinx Vivado
Programming: Python, C++, Arduino, MATLAB, JAVA
Equipment: Microcontrollers, Arduinos, ICs, FPGAs
MS Office: Word, PowerPoint, Excel

WORK EXPERIENCE

Grocery Clerk   Sep – Dec 2020
Real Canadian Superstore – Edmonton, Canada
- Responsible for restocking merchandise

Assistant Teacher   June - Aug 2019
Edification - Dhaka, Bangladesh
- Held Mathematics-D, Additional Mathematics, and Physics classes for Cambridge O Level candidates
- Prepared test papers for Grade 9 and Grade 10 students
- Interacted with teachers daily and provided feedback about the student's progress

Private Tutor   July – Oct 2018
Self-Employed - Dhaka, Bangladesh
- Taught Mathematics-D, Additional Mathematics to Grade 9 and Grade 10 students
- Answered emails and phone calls to solve the student's problems
- Used a variety of teaching techniques to help the students understand the problem as opposed to memorizing the style and pattern of past question papers

Assistant Teacher   Jan – Aug 2018
Wordbridge School - Dhaka, Bangladesh
- Held Mathematics-D, Additional Mathematics, and Physics classes for Grade 8 students
- Discussed various problems about test papers
- Interacted with teachers daily and provided feedback about the student's progress

Server   Oct 2017 – July 2018
Bar B Q Tonite – Dhaka, Bangladesh
- Served in a fast-paced environment with over 100 customers per shift
- Corroborated between chef and customer to place and serve orders efficiently
- Cleaned tables and chairs to ensure hygienic environment is maintained

COMMUNITY INVOLVEMENT

PG Hospital (Bangabandhu Sheikh Mujib Medical University)   July 2018
- Spent time with patient's suffering from kidney failure and listened to them talk about their hardships as they underwent hemodialysis
- Worked with a doctor and helped him manage his database

Beyond the Horizon, Old Age Home (Amar Thikana)   May – June 2017
- Spent time with the elderly and listened to them talk about their lives and sufferings
- Helped keep track of the database

Anirban, Project Nishorgo   Aug 2017
- Volunteered for 10 hours
- Distributed saplings to raise awareness about the environment
- Collected donations for a non-profit computer lab for the deprived

PROJECT EXPERIENCE

Engg 100 Design Project   Sept – Dec 2018
Orientation to the Engineering Profession I
- Collaborated with 4 team members to design an automated salt dispenser system for footpaths to help melt ice
- Designed and generated drawings of the salt dispenser system that can charge itself when required at docking stations nearby
- Presented designs, budget estimate, and practical evaluation to the course instructor

AWARDS & SCHOLARSHIPS

University of Alberta Student Scholarship, 2018
University of Alberta Country Scholarship, 2018
Daily Star Award, 2016
Daily Star Award, 2018

ADDITIONAL INFORMATION

Languages – English (Fluent), Bangla (Fluent), and Hindi
Travel – Willing to relocate

References Available Upon Request