Gazi Md Shafiul Hoque

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A third year computer engineering student enthusiastic about web development, app development and artificial intelligence

EDUCATION

Bachelor of Applied Science in Computer Engineering

The University of British Columbia

09/2015 – Present   *Expected Graduation: 05/2020*

CO-OP STATUS

Available for 4-8 months beginning May, 2018

UBC Engineering Co-op

PROJECTS

Ravebox Website (coursework) (03/2018 – 04/2018)
- Created a professional music streaming website for our engineering design studio project
- The project involved implementing a portable DJ box which can be used via hand gestures to control the tone and emulate various lightning. It can also be used to record the session and upload them to the website for streaming
- Programmed both the front end and backend using Node.js, Express.js and MySQL (for user authentication) which enhanced web development skills
- The website would provide a home page, a sign-up page, a login page, an about page, and a unique account page to stream uploaded sessions when the user is logged in which improved website designing skills

R2D2 Intelligent Moving Robot (coursework) (02/2018)
- Designed, programmed and implemented an intelligent moving robot that would use sonar, optical sensors and intelligent algorithm to decide the moving direction and speed
- Worked in a team of six on the Arduino platform under tight deadline which improved teamwork, communication and organization skills
- Made the robot's appearance similar to R2D2 from the Star Wars franchise which enhanced designing skills

Image Blog Web page (personal project) (05/2017)
- Made a simple image gallery webpage in HTML/CSS and Bootstrap
- Designed the webpage with mobile first approach principle, so the images resize properly according to the screen view. This enhanced front-end web designing skills

Finding the Extra Smiling Face (personal project) (08/2017)
- Made an HTML, CSS and JavaScript based game, which starts with four smiling faces on the right and five on the left
- The player has to find the extra smiling face on the left side, and if the player is successful, the game levels up, otherwise the game restarts. This enhanced reasoning skills
- Each time the game levels up, it adds five more faces on both sides to make the game more complex. The game received 100% satisfaction from players

SKILLS

`C` `C++` `Java` `HTML` `CSS` `JavaScript` `Bootstrap` `Python` `Ruby` `Verilog` `ARM Assembly` `Linux` `GitHub` `Arduino` `Microsoft Office` `Node.js` `jQuery`

ORGANIZATIONS

ENGINEERS & GEOSCIENTISTS BRITISH COLUMBIA Member Advantage Program for Students (MAPS)

UBC Engineering Undergraduate Society (EUS)

AWARDS

Chancellor's Scholar Award (2015)

The University of British Columbia
- Offered to incoming students with an average of 95 per cent or higher upon application to UBC

HSC Scholarship Award (2014)

Dhaka Education Board
- Offered to students who scored in the top 90th percentile in the national grade 12 examination in Bangladesh.

INTERESTS

Testing and benchmarking computer hardware

Video games   Online hackathons

Taking MOOC (Massive Online Open Courses) from various platforms (such as Udemy and Coursera) to learn new skills as well as to enhance existing skills

Computer assembly

Researching and learning about the latest technologies