

SANDEEP SURI

SCARBOROUGH • ONTARIO • M1B 4M8

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INTERESTS

- Programming using HTML, CSS, Java, and SQL, attending hacking/programming events, and developing my own game

QUALIFICATIONS

- Knowledgeable of Windows OS, Mac OS, Microsoft Word, Excel, Outlook, PowerPoint, Java, HTML, C#, CSS, and SQL
- Knowledge of the software development cycle
- Strong analytical and problem-solving abilities developed through personal and school related engineering projects
- Excellent leadership and time management skills practiced through directing student committees and simultaneously managing engineering projects and organizing school events

EDUCATION

Bachelor of Computer Engineering, Ryerson University, Toronto, ON

2015 - 2019

Game development & design. Learn C# using Unity 5, Udemy Course

July 2017

- Gained excellent knowledge of game development by creating web-based games along with mobile games
- Obtained knowledge of how object-oriented programming works in practice by applying it within various components of the game such as creating a level manager, music controller, player options menu, and so on
- Used C# as the main language

MySQL Bootcamp, Udemy Course

July 2017

- Learned general SQL syntax
- Generate reports using sales and user data
- Analyze data using Aggregate Functions
- Clone database structure of a photo sharing social network
- Build a web app using MySQL and Node JS

Relevant Projects

- **Data Structure and Algorithms (COE 428)** **January 2017 – April 2017**
 - Developed various projects within this course that used C and XML for the lab projects
 - Gained knowledge of recursion, heaps, sorting, building a state machine, and validating XML
- **Microprocessor Project (COE 328)** **September 2016 – December 2016**
 - Create a simple general-purpose processor for the class of Digital Systems
 - Constructed and built all functions of a simple Processor
 - Designed, simulated, and programmed a simple Processor using VHDL on an Altera FPGA board which would then output the results on a LED display

▪ **Wearhacks Apps**

March 2016

- Develop an Android application with the use of estimote beacons that allow the visually disabled to travel across a room
- Estimote beacons send Bluetooth signals to the application which notify the user whether to go straight, left, or right from their position
- Used for guiding patients around a hospital hallway
- Used knowledge of Java to create application

WORK EXPERIENCE

IBOOST – WORK STUDY INTERN

June 2017 – August 2017

- Redesigned the iBoost website by using WordPress
- Worked with upcoming start-ups to provide them with necessary resources
- Did market research by conducting interviews and obtaining feedback for iBoost initiatives by interviewing Ryerson students around campus

TREEHOUSE LEARNING LABS – FACILITATOR

May 2017 – August 2017

- Taught youth from the ages of 8 – 14 about Arduinos, Arduino IDE, and wiring breadboards in a classroom environment
- Helped Organize meetings and equipment such as Arduino boards, breadboards, wires, resistors, and LEDs into kits to give out to the students
- Prepared daily lesson plans based on the coding language of the Arduino IDE and how to wire a breadboard properly which would be presented from a projector followed by a live demonstration

VALIDITY RESEARCH – CUSTOMER SERVICE REPRESENTATIVE

November 2016 – June 2017

- Provided excellent customer service to clients
- Achieved daily quotas on the number of sales each day
- Identified the concerns of the customer by listening and asking questions to ensure customer satisfaction

VOLUNTEER EXPERIENCE

- Leader in Training Program at Doorsteps Summer program. **July 2010 – August 2012**
 - Create activities for the campers to engage in such as a miniature track-and-field competition, arts and crafts, and talent shows
 - Communicate with parents on behalf of the Camp Leaders explaining summer prices, activities we do, days of the week we are available and who we are

LEADERSHIP

- Chair of the event planning committee for the Ryerson Engineering Student Society (RESS)
 - Organized bi-weekly team meetings to keep the members up to date
 - Delegated responsibilities and supervised team to ensure events were running successfully such as a games night, pancake breakfast, Ryerson Bug-Push, and Talent shows
- Co-President of the Ryerson Punjabi Association
 - Interviewed students for various positions by using Google forms as a sign-up sheet and Google calendars to schedule in appointments
 - Represented the entire student group at Student Union meetings
- Corporate Relations Associate for the George Vari Innovation Convention
 - Contacted various companies such as Gap, H & M, and The Source to create partnerships in order to generate funding for this conference