

Santanu Sarker

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WORK EXPERIENCE

SAP | SOFTWARE APPLICATION DEVELOPER

September 2016 – December 2016 | Toronto, ON

- Developed web application using Bootstrap, Chart.js and Java (jetty) to graph real time sensor data streams for SAP IEP MAA
- Created database schema in SAP SQL Anywhere RDBMS
- Developed batch scripts to automate database creation

FLEET COMPLETE | JUNIOR DEVELOPER

January 2016 – April 2016 | Toronto, ON

- Extended the functionality of Microsoft Dynamics CRM by creating C# plugins
- Created web portals using Materialize CSS framework, and AngularJS
- Developed RESTful API services in C# to query a database
- Designed and maintained tables, views, and stored procedures in MS SQL

MATCOR-MATSU INC | SYSTEMS/NETWORK ADMINISTRATOR

May 2015 – August 2015 | Brampton, ON

- Maintained several servers and assisted in day to day administration
- Assisted in the design and implementation of system/network modification
- Developed a C# windows application to monitor performance of computers on a network

PROJECTS

SMART GARDEN | NOVEMBER 2016 | HARDWARE

Worked in a team to build a smart garden for Electric City Hacks Hackathon. Utilized multiple environmental sensors (light, humidity, soil moisture) connected to a raspberry pi to gather data. Data was used to control water pumps, and indoor lights to ensure plants would have optimal growth conditions.

KITCHEN IOT | JUNE 2016 | HARDWARE

Created an Arduino project that controls appliances creating a smarter Kitchen. A Relay switch was used to switch appliances on/off and a servo motor was used to steep tea.

EMPLOYER INFO SESSIONS | APRIL 2016 | WEBSITE

Created a web application that displays daily employer information sessions along with the times, locations and target audiences. Used HTML, CSS (materialize), and JavaScript (jQuery AJAX to query the UW API).

CHEMISTRY COLLECTOR | JUNE 2014 | PC GAME

Used knowledge of OOP to create 2D platformer game in C# XNA game studio. Designed level textures and character sprites and menu screens in Adobe Photoshop.

SKILLS

LANGUAGES

Java • C# • C++ • C
HTML • CSS • JavaScript
Matlab • Python • SQL

TECHNOLOGIES

jQuery • Node.js • Angular.js
Jetty • MSSQL • MongoDB

TOOLS

Git • TFS • Photoshop

EDUCATION

UNIVERSITY OF WATERLOO

COMPUTER ENGINEERING

Expected June 2019 | Waterloo, ON
Courses

- Algorithms and Data Structures
- Operating Systems
- Compilers
- Digital Computers
- Embedded Microprocessor Systems
- Digital Hardware Systems

Clubs

- UWAFIT

SATEC @ W.A PORTER

HIGH SCHOOL

Graduated June 2014 | Toronto, ON
Courses

- Computer Science
- Computer Engineering
- Computer Networks

Clubs

- VEX robotics
- Mindstorms Lego robotics
- Chess

ACTIVITIES/INTERESTS

Basketball • Soccer • Swimming
Photography • Gaming • Fitness