

Sidhant Sharma

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Github://sidhantSharma12

SKILLS

SOFTWARE

•Java •C •C++ •C# •Python
•HTML5 •CSS3 •JavaScript(ES6)
•SQL •NoSQL •Bash •Git
•Sass •MATLAB

Frameworks, Libraries, & Tools:

•React •Node •JSON •Express
•PostgreSQL •MongoDB
•MVC •REST •JUnit •Protractor
•WebdriverIO •SolidWorks
•Multithreading •AJAX •TCP/IP

Familiar with:

•Spring •AngularJS •JQuery
•Groovy •Apache Tomcat
•Webpack •TypeScript •Jenkins

HARDWARE

•Arduino •VHDL •ARM ISA
•Oscilloscopes •Power meters
•Signal Generators

Knowledge of:

•Computer Architecture/Interface
•Parallel processing •ISR •DMA
•Operating systems •Buses

EDUCATION

2BCOMPUTERENGINEERING

Cumulative Average: 83%

May 2020 | Waterloo, ON
University of Waterloo

INTERESTS

•Algorithms •Design
•Full-Stack Development
•Embedded Systems •Soccer

ACTIVITIES

•Soccer and cricket intramurals
•Director for Engineering Society

EXPERIENCE

IBM CANADA LTD. | SOFTWARE DEVELOPER

Jan 2017 – April 2017 | Markham, ON

- Created React application that leveraged GitHub services to allow 200k+ users to elegantly manage their codebase
- Improved efficiency of bash script to decrease deployment time by more than 20%
- Built REST endpoints to validate and store millions of user credentials
- Redesigned MongoDB database schema to improve data retrievability by 10%

HUBHEAD CORPORATION | JAVA/JAVASCRIPT DEVELOPER

May 2016 – August 2016 | Markham, ON

- Developed Java plug-in that automatically finds errors in users' data and suggests them to fix it
- Built UI data form using HTML, CSS, JavaScript, & AngularJS to allow users to manually change properties of each data entry
- Performed SQL queries to extract data based on user input
- Added features to dashboard to improve the functionality of interface for users
- Created selenium tests using WebdriverIO to uncover and identify software defects

PROJECTS

ARDUINO VACUUM CLEANER

March 2017 | Toronto, ON

- Created Arduino interface to read in from ultrasonic sensors to turn on Servo and PMDC motors
- Developed algorithm to swiftly avoid obstacles
- Assembled the required circuitry on a PCB
- 3D printed chassis material designed in SolidWorks

WEB SERVER ANALYSIS

September 2016 | Waterloo, ON

- Simulated the working of a web-server in C++
- Used linked lists, priority queues and simple data types to build an analyzer that determines statistics of a web server
- Compared URI from user input to database in a text file to determine processing time based on priority and size

Scholarships

2015	Adel S. Sedra Scholarship	University of Waterloo Engineering
2015	Waterloo President's Scholarship	University of Waterloo Engineering
2014	Best Cricket Player Award	Kipling Collegiate Institute