

# Sidhant Sharma

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<http://sidhantsharma.net>

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## SKILLS

### SOFTWARE

- Java •C •C++ •C# •Python
- HTML5 •CSS3 •JavaScript
- SQL •NoSQL •Bash •Git
- Sass •MATLAB

Frameworks, Libraries, & Tools:

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

Familiar with:

- Docker •Spring •AngularJS
- jQuery •Groovy •Apache Tomcat
- Jenkins

### HARDWARE

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

Knowledge of:

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

## EDUCATION

### 3A COMPUTER ENGINEERING

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

## Scholarships

- Adel S. Sedra Scholarship
- Waterloo President's Scholarship
- Best Cricket Player Award

## EXPERIENCE

### CAPCO | SOFTWARE ENGINEERING INTERN

Sep 2017 - Dec 2017 | Toronto, ON

- Built a Java goal tracker feature for an online banking platform that allows users to set aside money for a specific item
- Implemented REST API which sends notifications to customers for scenarios such as late credit card payment
- Developed batch job which transferred over a million customer documents to oracle database
- Introduced caching mechanism to over 30 endpoints which increased overall retrieval speed by 60%

### 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 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

### SOCKET PROGRAMMING (C)

Created reverse proxy which can handle multiple client and server requests simultaneously

### RENT ME (React, Node.js, MongoDB)

Built an application which allows rental of various household and electronic appliances

### LET'S MEET (React Native, Flask, MySQL)

Developed to allow users to mark and review events on a map and search these nearby activities via location using Google's API

### HACK THE SIX 2017 (React, Node.js)

Created an application which allows users to buy and sell homemade food

### WEB SERVER ANALYSIS (C++)

Simulated the working of a web-server. Used linked lists and priority queues to build an analyzer that determines statistics of a web server