

# Sidhant Sharma

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## SKILLS

### SOFTWARE

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

Frameworks, Libraries, & Tools:

- React • Node • Flask • Express
- React Native • MongoDB
- PostgreSQL • Multithreading
- JUnit • AJAX • TCP/IP • Git

Familiar with:

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

### HARDWARE

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

Knowledge of:

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

## EDUCATION

### 3A COMPUTER ENGINEERING

Cumulative Average: 83%

May 2020 | Waterloo, ON

University of Waterloo

## INTERESTS

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

## ACTIVITIES

- Soccer Intramurals
- Director for Engineering Society
- UW Cricket Club

## 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 10k+ users to set aside money for a specific item
- Introduced caching mechanism to over 30 endpoints which increased overall retrieval speed by 60%
- Developed a Python batch job which corrected and transformed 25k+ invalid customer documents
- Implemented REST API which sends notifications to customers for scenarios such as late credit card payment

### IBM CANADA LTD. | SOFTWARE DEVELOPER

Jan 2017 – Apr 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 – Aug 2016 | Markham, ON

- Developed Java plug-in that automatically finds errors in user 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 dynamic SQL queries to extract data based on user input
- 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, using Cloudinary for storage of images

### RATE IT (React Native, Flask, MySQL)

Allows users to mark and review popular events on a map by integrating Google Maps API. They can search and filter these activities based on the proximity from their location

### FOODIE – HACK THE SIX 2017 (React, Express, MongoDB)

An application which gives home chefs a platform to market and sell their food. Users can filter chefs by location and cuisine type

### 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