# Sidhant Sharma

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http://sidhantsharma.net

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## SKILLS

**SOFTWARE**

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

Frameworks, Libraries, & Tools:
• React • Node • Flask • Express
• React Native • MongoDB
• PostgreSQL • Multithreading
• JUnit • AJAX • TCP/IP

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 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 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