

Sidhant Sharma

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EDUCATION

3B COMPUTER ENGINEERING

Cumulative Average: 84%

May 2020 | Waterloo, ON
University of Waterloo

SKILLS

SOFTWARE

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

Frameworks, Libraries, & Tools:

- Docker • Kubernetes • React
- Neural Networks • TensorFlow
- Node • Flask • Express
- React Native • MongoDB
- PostgreSQL • Multithreading

Familiar with:

- AWS • Jenkins • Spring
- AngularJS • JQuery
- Apache Tomcat

HARDWARE

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

Knowledge of:

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

INTERESTS

- Algorithms • Machine Learning
- DevOps • 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

KATERRA | SOFTWARE ENGINEERING INTERN

May 2018 – Aug 2018 | San Francisco, CA

- Created a convolutional neural network to analyze and identify buildings across a data set of images using TensorFlow
- Built a CI pipeline which automated the process of building and testing containerized microservices
- Packaged backend microservices in Docker containers and deployed them to a Kubernetes cluster on AWS
- Developed a web scraper in python to collect geographical data on 3k+ counties across United States

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

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%
- 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

PROJECTS

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