

# Shaunak Tulshibagwale

## CONTACT

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## EDUCATION

### UNIVERSITY OF BRITISH COLUMBIA

BSC IN COMPUTER SCIENCE

Expected Graduation: May 2022

GPA: 80%

CPSC GPA: 84%

## SKILLS

### PROGRAMMING

Java • Python • Unix • Git •  
Javascript/Typecript • Node.js • Matlab  
• C/C++ • HTML • CSS •  $\text{\LaTeX}$  • SQL  
• React • Vue.js

## COURSEWORK

### UNDERGRADUATE

Machine Learning and Data Mining  
Intro to Software Engineering  
Computer Systems  
Intermediate Algorithms and Data  
Structures  
Multi Variable Calculus  
Definition of Programming Languages

## OTHER

### FUTURE ENGINEERS SUMMER CAMP | VOLUNTEER TEACHER

June 2016 | June 2017 | Cupertino, CA  
Worked as a volunteer to teach kids of  
various ages the basics of programming,  
using languages such as Scratch or Java.

### BADMINTON COACH

CUPERTINO SPORTS CENTER  
February 2016 – June 2018

Coached children from grades 1-8 in  
beginner, intermediate and advanced  
badminton classes.

This resume made using  $\text{\LaTeX}$  | Last  
updated 20th September 2020

## EXPERIENCE

### SOFTWARE PRACTICES LAB @ UBC | VOLUNTEER RA

April 2020

- Used **BeautifulSoup** and **python** to crawl various documentation websites to collect data for extracting semantic frames from SE natural language artifacts.
- Consolidated survey data into **JSON** usable by Semantic Frame API.

### ZEDEDA | SOFTWARE ENGINEERING INTERN

May 2019 - August 2019 | Santa Clara, CA

- Designed and built from the ground up testing workflows for user management and edge computer configuration on Zededa's Cloud UI using **selenium** and **python**
- Onboarded and prepared IoT Edge computers for POC (Proof-of-Concept) demos for client companies such as LG, Exxon, Invenergy, etc.
- Deployed containerized client use-case applications for demos and testing using **docker**.

### TEACHING ASSISTANT | CPSC 210 SOFTWARE CONSTRUCTION

September 2019 - May 2020 | UBC Department of Computer Science

- Run labs, hold office hours and assist in lectures for Software Construction taught in **Java**. Some topics include **software design, data structures, debugging, and unit testing**.
- Grade students projects, midterms/finals as well as providing feedback to improve programming skills

## PROJECTS

### TYPEMENOT

nwhacks 2020 | Wolfram Award

- Used Google's **Perspective API** to detect toxicity in text for automatic moderation
- Built a chrome extension using **JavaScript** and **Node.js**

### DO GOOD

HackTech 2020 @ Caltech

- Built a social outreach app using **Vue.js** with multiple pages
- Built a chrome extension using **JavaScript** and **Node.js**

### UBC COURSE SCHEDULER

CPSC 310

- Built a **REST API** endpoint using **TypeScript** and **Node.js**.
- Built an EBNF (extended Backus-Naur form) parser in **TypeScript**

## CLUBS/ACTIVITIES

### MAPLE BACON CTF | MEMBER

Present

Member of Capture-the-flag team Maple Bacon. Participate in weekly meetings and Cybersecurity competitions. Maple Bacon is ranked 2 in Canada

### INSTRUCTOR HIRING COMMITTEE

UBC DEPARTMENT OF COMPUTER SCIENCE

Present

Undergraduate representative for hiring faculty and professors for UBC CS.