

# Chenhao Xu



**Address** Vancouver, BC, V6T

**Phone** 778 319 4209

**E-mail** suneduxch@gmail.com

## Education

**2019-08 - Current      Electrical And Computer Engineering**  
*University Of British Columbia - Vancouver, BC*

## Language

- Mandarin
- English

## Skills

|                        |                        |
|------------------------|------------------------|
| Python                 | <div><div></div></div> |
| Java                   | <div><div></div></div> |
| MySQL                  | <div><div></div></div> |
| Go                     | <div><div></div></div> |
| Javascript             | <div><div></div></div> |
| VB.NET                 | <div><div></div></div> |
| Verilog/System Verilog | <div><div></div></div> |

## Project/Working Experience

- 2021-01 - 2021-03      Cassandra DHT-Based Storage System**  
*CPEN431*
- Distributed (multiple Node) Key-value Store
  - Using replication protocols to ensure consistency.
- 2020-10 - 2020-11      Android APP Development Project - "CommunityLink"**  
*CPEN321*
- Getting familiar with Android Studio.
  - Getting familiar software APP design/development.
  - Building a backend server for the APP with JS Node.
  - Working with MySQL database to store/request data.
  - Backend testing, coverage checking, functional debugging.

**2020-06 - 2020-08**

## **Software Tester Intern**

*Quantasphere Solutions, Vancouver, BC*

- Testing for the QS-ERP software and QS-POS software.
- Getting familiar with VB.NET language software development.
- Making drafts for the software user manuals.

**2019-10 - 2019-12**

## **Dancing Robot**

*CPEN291*

- Implementing a multi-function robot.
- Controlling the battery-operated robot with a headless RPi.
- Using the motor hat to interface with DC motors.
- Using the RPi camera (face detection, opencv).
- Create a web to control the robot car .

**2019-10 - 2019-11**

## **Detecting Robot Car**

*CPEN291*

- Implementing a dancing biped robot
- Using and interfacing with the ItsyBitsy M4 micro-controller board
- CircuitPython programming for ItsyBitsy M4, and interfacing with servo.

## **Internship Objectives**

---

- Having more work experience and research skills.
- Putting my skills and knowledge to use in a professional environment.
- Getting more experience by working as a team.