

# VINCENT YAN

COMPUTER ENGINEERING STUDENT

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## KEY SKILLS

### PROGRAMMING LANGUAGES

- Java • Python • C • C++ • Verilog
- ARM • X86-64 • HTML/CSS
- Kotlin • CircuitPython

### TOOLS/FRAMEWORKS

- Django • Flask • Docker • REST APIs •
- SQL/mongoDB • Angular • ReactJs
- Version Control • Debugging • Postman

### ANALYSIS

- Statistical Analysis/Correlation
- Data Visualization
- Technical Writing

## TECHNICAL PROJECTS

### FEEDMI – FOOD RECOMMENDATION WEB APPLICATION - (Personal Project)

February 2019 – June 2020

(Python, ReactJs, MongoDB, Google-API, Flask, HTML/CSS, Pandas)

- Developed a web application that displays restaurant and recipe information based on food recommendation
- Implemented a recommendation system based on user preferences and attributes
- Created functions to manage and update the database to improve the quality and accuracy of recommendations

### HOW BUSY? - <https://busyrightnow.herokuapp.com/> - (Personal Project)

April 2020 – July 2020

(Django, Heroku-App, Google-API, Beautiful Soup, HTML/CSS)

- Developed a web application to report store traffic information through geolocation and live-user reporting
- Parsed Google-Places API data with external libraries to obtain key information
- Used Django platform and HTML/CSS to incorporate methods and displaying data on site

### BIPEDAL SINGING AND DANCING ROBOT - (UBC)

March 2020 – April 2020

(Raspberry Pi, Adafruit, CircuitPython, Multi-Servo Movement Programming, Bluetooth Controller)

- Developed a robot to simulate a variety of dance moves synced to music
- Outfitted and programmed robot with Bluetooth so it could be controlled wirelessly by phone application
- Implemented pseudo threads in CircuitPython to simulate simultaneous movement and buzzer functionality

## WORK EXPERIENCE

### APP DEVELOPER INTERN – FCOM SERVICES

July 2020 – Present  
Vancouver, Canada

- Researched and implemented solutions for developing web applications
- Worked on creating internal tools for development team
- Contributed to stand-up meetings and code review in development team

### ANALYTICAL CHEMIST – STEMCELL TECHNOLOGIES

November 2018 – August 2019  
Vancouver, Canada

- Developed an optical assay for the characterization of nano-particle aggregates
- Implemented JavaScript macros for automating data processing and for image analysis
- Performed sensitive particle characterization assays to obtain reliable consistent data for product stability monitoring

## EDUCATION

### UNIVERSITY OF BRITISH COLUMBIA – 3<sup>rd</sup> Year Computer Engineering

May 2022

### UNIVERSITY OF BRITISH COLUMBIA – Bachelor of Science: Chemistry

May 2018

- Dean's Honour List Winter 2018
- DOTA 2 director of UBC-Esports Association