JINYANG YAO

jimmy123good@hotmail.com
github.com/jummy233
(250) 899 2600

EDUCATION

The University of British Columbia, Kelowna, BC, Canada   **2017-Present**
Current third year undergraduate student. Major in Computer Science, minor in Math

PROJECTS

An optimizer for building design   https://github.com/jummy233/epMoo
An optimizer made for Chongqing University HVAC department to design energy efficient buildings based on Python. It aimed to maxmize the comfortability of buildings while decrease the annual energy consumption.

Lisp interpreter   https://github.com/jummy233/llisp
A Python implemented lisp interpreter with REPL support and Python function call api.

LIP Website   https://github.com/jummy233/lip-site
A dynamic website made for LIP — a local community language teaching project. It is a coroporated project with another contributor. I am responsible for the backend web application and database design.

Minimal Turning Machining   https://github.com/jummy233/brainsavior
A minial turining complete language based on C.

and many more

SKILLS

Computer Science:

Experienced with **Python, TypeScript**.
Familiar with **Haskell, Racket, C++, C**.
Familiar with **Linux**.
Familiar with Machine Architecture, Network Protocols and Compiling Technique.
Experienced with **Flask**, **React**, **Vuejs**, and **Sqlite** for web development.
Math:

Math knowledge with Linear algebra abstract vector space and their applications, multivariable calculus, odinary differential equation, statistcs, linear programming, dynamic system, number theory.
Language:

Have been living in **English** Speaking country for more than 3 years, received band 7 for IELTS in 2017. Native **Chinese** speaker. Currently learning **Japanese**.

WORK EXPERIENCES

2016 Summer: Shanghai Liyang Software

First time working for a tech company.
2019 Summer: Chongqing University HVAC department

Participated the Chinese government five-year plan "Yangzi River area air conditioning and heating solution and its corresponding systems" in the HVAC department (in civil engineering) of Chongqing University. Developed an optimization program to find the optimal building design to minimize the energy consumption and cost. Design and implemented the corresponding data demonstration web site.

COMMUNITY EXPERIENCES

2019 Summer: Joined UBC programming competition.