華東師範大學
EAST CHINA NORMAL UNIVERSITY

Engineering Co-op Program
Faculty of Applied Science
2385 East Mall
Vancouver, BC Canada V6T 1Z4

Phone (604) 822-3022
Fax (604) 822-3449
eng.coop@ubc.ca
www.ubcengineeringcoop.com

陆 楚

上海市, 中山北路 3663 号, 华东师范大学
邮箱: luchu1993@163.com
电话: (+86) 189-6107-3286
Github: luchu1993

IT 技能

Electrical Equipment

- Oscilloscope
- Signal Generator
- Multimeter
- Soldering Iron
- Perfboard/breadboard

Programming Languages

- C
- Java
- JavaScript
- Python
- Qt/QML
- C#
- MATLAB

Software

- SOLIDWORKS
- Inventor
- EAGLE
- Git
- Linux (multiple distros)

Academic & Co-op Status

Academic Program:

- Mechanical Engineering; 3 of 8 academic terms completed;
- Anticipated date of graduation: May, 2020

Co-op Status

- Completed 0/5 Work terms; available for 4 or 8 beginning January, 2018

Technical Projects

Custom 3D Printer — December 2016 – Present

- Lead a team of 5 in building an i3 based 3D printer
- Designed custom mounting solutions to enable compatibility with readily availible parts
- Added a servo actuated pen to the printhead, allowing for multicolor prints without swapping filaments

Electric Locomotive Prototype — January 2018

- Working with a group of 6 other students, worked through a formal engineering design process to build a scale train for class wide competition
- Implemented an optical encoder system to allow the train to be aware of its position along the track, allowing the full power output of the motors to be utilized on straightaways

Offline Transit App — June 2017 – Present

- Wrote a Python script to scrape the Translink API for every bus stop and corresponding routes into an SQLite database
- Built an Android app using the database that shows the user nearby bus stops with buttons to query individual bus times

Automated Quoting Service Prototype **October 2017 – Present**

- Wrote a Python program that would automatically generate price quotes whenever a user submitted a job to UBC Rapid's printing service, reducing quote times from up to 48 hours down to 10 minutes.
- Leveraged multiple Google APIs to access Google Forms data.

Student Teams

UBC Rapid **October 2016 – Present**

- Team specializing in advancing rapid prototyping technologies, especially 3D printing
- Currently running cheapest 3D printing service on campus

工作经验

Hamilton Kumon (Richmond, BC) **September, 2015 – February, 2016**

Tutor/Marker

- Created a personal system to mark students' worksheets in an efficient manner
- Taught children mathematics and English at various levels in a friendly way that encouraged self-growth

Volunteer Work Experience

Richmond 19th **September, 2012 – Present**

Scout Leader

- Plan and run engaging programs every week for youth aged 8-10
- Teach survival and life skills at camping trips, fostering an appreciation for the outdoors.

教育背景

The University of British Columbia **Expected May 2021**

Bachelor of Applied Science – Mechanical Engineering

兴趣爱好

- Billiards – summer leagues
- Sports – Ultimate Frisbee, snowboarding