

Personal Website: iamharryliu.com
Github: github.com/itzliu
LinkedIn: linkedin.com/in/iamharryliu

Harry Liu

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Education

Toronto, Ontario	Ryerson University	September 2017 - April 2019
<ul style="list-style-type: none">• Degree: Bachelor of Civil Engineering• Relevant Coursework: Digital Computation and Programming		

Software Projects

Ecobee Dashboard - github.com/itzliu/ecobee-dashboard

- Dashboard for home/building owners to monitor and control their property's thermostats.
- User's register and authenticate their Ecobee apps to gain access to their Ecobee thermostats.
- Excellent visualization of thermostat data including temperatures, humidity, room sensor occupancy, and thermostat statuses. Uses Highcharts' interactive charts to display the exact data that you want on your chart.
- Utilizes: Angular front-end, Bootstrap, Flask back-end, PostgreSQL database, Ecobee API, and Highcharts API

Portfolio Website - iamharryliu.com - github.com/itzliu/flask-blog

- Portfolio website for additional information on my software projects and to learn more about me and my career.
- Utilizes: Flask for front/back-end design, Bootstrap, Nginx, Linode, PostgreSQL, and SSL Certification.

Google Calendar Visualization - github.com/itzliu/google-calendar

- Google Calendar App to graphically visualize how you are planning to spend your time to manage a balanced life.
- Utilizes: Google Calendar API, Google Charts, Python Datetime, Flask

Site Monitor - github.com/itzliu/site-monitor

- Python script to monitor my site for the server being down. Server is reset and user is notified if site is down.
- Utilizes: Linode API, Python scripting, Cron, Logging, SMTP Library, Request Library

Technical Skills

Proficient: Angular, HTML/CSS, Javascript, Bootstrap, JQuery, Flask, Django, SQL, JSON REST API
Familiar: Git, PHP, unit testing/debugging, Bash/Python scripting, web deployment

Soft Skills

- Capable of speaking English, French, Mandarin, Cantonese.
- Excellent communication and verbal skills for effective teamwork and strong interpersonal relationships.
- Critical thinker that is capable of adapting to new workspace environments and overcoming challenges.

Work Experience

Sales / Bookkeeper	Zhen Zhen	September 2013 - Present
<ul style="list-style-type: none">• Established positive rapport with customers to build a loyal clientele and upsold products.• Improved efficiency of the team by writing Python scripts to handle repetitive tasks which also reduced errors.		
Geotechnical Engineer/Technician	Patriot Engineering	September 2017 - April 2019
<ul style="list-style-type: none">• Work including investigating, designing, and monitoring earthwork foundations for structural projects and office work.• Reduced office work by 20 minutes each day by creating Python automation scripts and macros for Excel.		
Caller	Ryerson University Call Center	September 2016 - August 2017
<ul style="list-style-type: none">• Handle calls to and from the call center to promote and maintain positive relations with university alumni and students.		

Personal Interests: Ping pong, running, swimming, lifting, yoga, language learning, DIY(Raspberry Pi, Arduino, aquariums)