

JONNY LI

DEVELOPER

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Skills

HUMAN LANGUAGES

English
Mandarin
Japanese

PROGRAMMING LANGUAGES

Python
C#
Java
JavaScript

TECHNOLOGIES

Git/Mercurial/SVN
HTML/CSS
Bootstrap
MySQL
MongoDB
Flask
jQuery
Node.js
AngularJS

Education

University of Toronto

HBSc Computer Science - Expected Graduation 2020
HBA Linguistics - Expected Graduation 2020

University of Tokyo

Foreign Exchange from September 2018 to August 2019

Projects

jp-bot

April 2016 to Current

- Created a Discord chat bot made for a Japanese language learning community server, with web search and moderation features
- Utilized **Python**, **asyncio**, and **Discord API** running on **Heroku** to create Discord bot
- Implemented chat moderation features, with **MongoDB** and **Motor** to track user information
- Implemented web dictionary search commands by using **Jisho API** and scraping web pages using tools such as HTML parsers like **lxml**
- Created website to track statistics using **Flask**

MCDawn

Summer 2012 to Spring 2013

- Programmed a Minecraft Classic server software in **C#** with hundreds of users online playing everyday
- Worked with Minecraft Classic server protocol to implement fundamental server
- Utilized **MySQL** to track block edit history, user data, map data, etc to allow undo features, zone permissions, moderation features, etc
- Created a website with **PHP**, **Bootstrap**, and **MySQL** to track online server status and moderate inter-server bans

uoft-scheduler

Sept. 2016

- Created a scheduling dashboard web app for UofT students at **Hack the North 2016**
- Designed interface with **Bootstrap** and **jQuery**, and back end using **node.js**
- Utilized **Google Maps API** to draw maps and directions for distances and times between classes
- Utilized **Cobalt API** to retrieve information about the university, such as buildings, courses, etc.

Inquiry Vancouver

Summer 2014

- Created a website for a single day conference held in Vancouver for high school students built by high school students aspiring to go to medical school.
- Utilized **HTML/CSS**, **jQuery**, **PJAX**, **Bootstrap** frameworks to design front end
- Utilized **PHP**, **Memcached**, **MySQL** on **Heroku** to create the back end
- Worked with **Paypal API** to create registration page

Awards

University of Waterloo · Canadian Computing Competition - Certificate of Distinction

Feb. 2015

- Scored in the top 25% of contestants in the Senior Canadian Computing Competition. Also received in 2013 and 2014.

Japan Foundation · Japanese Language Proficiency Test - N1

Dec. 2017

Activities

University of Toronto Japan Association · Webmaster

Oct. 2016 to Current

- Helped run events such as festivals and language exchanges to promote and facilitate culture and language exchange between Japanese and Canadian students
- Managed and maintained a **Wordpress** website, utilizing **HTML/CSS** to stylize themes and structure page content

Inquiry Vancouver · Creative & IT Director

Summer 2014

- Curated a large scale student-run medical conference with focus in medical research field for aspiring young high school students to participate and gain insight into this career
- Created, designed, and maintained front and back end of Inquiry Vancouver website using modern web technologies