

Jonny Li

Software Engineer / University of Toronto Computer Science and Linguistics / myself@jonny.li

Employment

SDE Intern - Amazon @ VirtualLocation

Jun 2020 - Sep 2020

Amazon Core Search, Client Services Engineering. Developed **Search Engine Configuration Dependency Analyzer**, an internal tool to analyze dependency chains of configuration objects in search engine configuration metadata.

Software Intern - Mitsucari @ Tokyo, Japan

Sep 2018 - Aug 2019

Developed [mitsucari](#), a website for an AI service for companies to determine compatability of employees based on personality tests. Utilized **Ruby on Rails, PostgreSQL, HTML/CSS, jQuery, Bootstrap, SASS**.

Projects

Search Engine Configuration Dependency Analyzer @ SDE Intern, Amazon

Jun 2020 - Sep 2020

Amazon's search engine configuration metadata is comprised of 70k+ lines of XML regularly edited by 40+ teams. As the file grows and parts of it become unused, it becomes difficult to know what a change will affect. This tool aids the process of search metadata cleanup by returning the dependency chain of any given configuration object.

jp-bot

Apr 2016 - Dec 2019

Developed a [Discord](#) chat bot for a Japanese language learning community that I manage, with online dictionary web scrapers and server moderation features. Created a website to display server statistics. Utilized **Python, asyncio, Heroku, MongoDB, Flask**.

MCDawn

Jul 2012 - Apr 2013

Developed a Minecraft Classic server that interacted with official game client. Implemented features such as server moderation tools, block history and undo, building tools, inter-server chat and bans, plugin support. Created a website to display list of online servers. Utilized **C#, MySQL, PHP, HTML/CSS, jQuery, Bootstrap**.

Organizations

Webmaster - University of Toronto Japan Association @ University of Toronto

Oct 2016 - Aug 2018

Utilized **Wordpress, HTML/CSS** to manage website. Organized culture festivals and language exchanges to promote and facilitate culture exchange between Japanese and Canadian students.

Workshops Lead - Neurotech UofT @ University of Toronto

Sep 2017 - Apr 2018

Created beginner-oriented tutorial workshops such as intro to programming (**Python**) and version control (**Git**).

Education

University of Toronto

Honours Bachelor of Science, Computer Science and Linguistics. Expected graduation in 2021 June.

University of Tokyo

Foreign exchange, University-wide Student Exchange Program (USTEP). September 2018 - August 2019.

Certifications

Japan Foundation - Japanese Language Proficiency Test N1

December 2017