# LE RONG (LARRY) SHI

**Software Developer**

@ shilerong@gmail.com    📞 343-777-8457    🔗 larryworm1127.github.io    in linkedin.com/in/larry-shi-11479914b/
github.com/larryworm1127

## EXPERIENCE

### Software Developer in Test - Intern
**Merchant Link**

📅 May 2019 – August 2019    📍 Ottawa, ON

- Used Python to create scripts that simulates behaviors of a pinpad to help automate testing of company product.
- Performed stress testing on company product to evaluate its ability to process transactions.
- Used Python to create an experimental tool that captures product network activities and diagnose for pinpad issues.

## PERSONAL PROJECTS

### PyBoardGame

📅 July 2018 – September 2018    📍 Ottawa, ON

- A web project written in Python (Flask) that allows users to play simple board games on the website. Including Tic Tac Toe and Sudoku.
- A computer player is implemented using minimax algorithm in Python while the rest of game logic is implemented in JavaScript.
- The website also contains well documented game strategies pages.

### NBA Daily

📅 Apirl 2019 – Ongoing    📍 Ottawa, ON

- A web project written in Python (Django) that scraps NBA stats from NBA website using API and displays the data in a more accessible way.
- Used SQLite alongside Django model to store and access all scapped data.
- Currently trying to integrate React with Django Rest Framework to create better looking and functial web pages.

### Recipe Generator

📅 May 2018 – September 2018    📍 Ottawa, ON

- A GUI app written in Python (Tkinter) that helps with generating custom Minecraft recipe in the form of JSON file for Minecraft modding.
- The app validates user inputs to make sure the generated recipe file can be used without any error.

## EXTRACURRICULAR ACTIVITIES

### Volunteer
**Stillwater Creek Retirement Home**

📅 July 2014 – June 2018    📍 Ottawa, ON

- Perform music with a group named "Music in Motion" in the retirement home.
- Organized "Music in Motion" performances.
- Help kitchen serve out ice creams to seniors in the retirement home.

## SKILLS

`Python` `Django` `Flask` `PyGame` `Tkinter` `Matplotlib` `Multithreading` `Sockets` `Hypothesis` `Pandas`

`Java` `Swing` `JUnit` `Mavin/Gradle`

`Web Development` `JavaScript` `React` `CSS` `HTML` `Bootstrap` `Jquery`

`R` `dplyr` `readr` `plyr` `ggplot2`

`Git` `Heroku` `CircleCI` `LaTeX` `VMWare`

## LANGUAGES

**English** ⚫⚫⚫⚫⚫
**Mandarin** ⚫⚫⚫⚫⚪

## EDUCATION

🎓 **B.Sc., Computer Science**
**University of Toronto**

📅 2018 – 2022    📍 Toronto, ON

GPA: 3.85/4.0

## AWARDS & CERTIFICATES

**"Learn to Program: The Fundamentals" Statement of Accomplishment**
**University of Toronto MOOC**

📅 January 2014    📍 Ottawa, ON

**"An Introduction to Interactive Programming in Python" Statement of Accomplishment With Distinction**
**Rice University MOOC**

📅 June 2014    📍 Ottawa, ON

**Silver Medal (>90% average)**
**Earl of March S.S.**

📅 2015 – 2018    📍 Ottawa, ON