LARRY SHI

Software Developer

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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.

Android Game

📅 October 2019 – December 2019   📍 Toronto, ON

- An Android app that contains 3 distinctive games, a functional user authentication system, as well as game save/resume feature.
- Learned Android development in a week and built the app using Java, Gradle, and SQLite.
- Employed SOLID principles, MVP architecture and other object-oriented design patterns.
- Designed the project, oral presentation, UML diagrams in collaboration with five other peers.

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` `Android`

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

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

`Git` `SQLite` `Heroku` `CircleCI` `LaTeX` `VMWare` `SOLID` `MVP`

EDUCATION

🎓 B.Sc., Computer Science
University of Toronto

📅 2018 – 2022   📍 Toronto, ON

Current CS/CS Related Courses

- **Software Design (with Java)**
- **Computer Organization**
- **Introduction to Theory of Computation**
- **Software Tools and Systems Programming (with Bash and C)**
- **Introduction to Databases**
- **Data Structure and Analysis**
- **Probability with Computer Applications (with R)**

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