

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

📅 April 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 scrapped data.
- Currently trying to integrate React with Django Rest Framework to create better looking and functional 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

- Strong experience in Python web frameworks (Django, Flask), as well as with NumPy, Hypothesis, Pandas, and Matplotlib.
- Knowledgeable in common design patterns and development practices, such as SOLID, MVP, and REST API's
- Professional experience with Git, Scrum, automated testing, Unix, with some knowledge of networking.
- Experienced in Android development with both Java and Kotlin ecosystem.
- Some experience with CI/CD with CircleCI, and deployment with Heroku.
- Some experience with C, React and Angular, PostgreSQL, SQLite, Latex

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 (with PostgreSQL)
- 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