

# Johnson Lu

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<https://johnsonlu3.github.io>

## **LinkedIn Profile**

<https://www.linkedin.com/in/johlu1>

## **GitHub Profile**

<https://github.com/JohnsonLu>

## **EDUCATION**

**Stony Brook University** – Stony Brook, NY

B.S. Computer Science **2015-2017**

- Dean's List of Distinguished Students Award 2016 Fall

## **Skills**

- *Algorithms*                      Sorting algorithms, Dynamic programming, Graphing algorithms, Big O
- *Computer Systems*            Basic level of Assembly, C, and computer architecture
- *Discrete Structures*          Mathematical proofs, Logic, Graph theory, and Turing Machines
- *Computer Networks*          Socket programming and Internet protocols, such as RDT, UDP, TCP
- *Languages*                      Java, C++, C, Python, SQL, HTML, CSS, JavaScript

## **Experience**

### **GerryMandering Analyser [Java / MySQL]**

*November 2017*

Created a restful web app in a team of four. The site was built in Java using the spring framework and was integrated with a mySQL 5.7 database. I managed the database and dealt a lot with geospatial data as well as helped on the back end. The app's purpose was to analysis a state and its districts to determine if the state was gerrymandered.

### **Invoice Generator [Java]**

*August 2017*

Created an application for Xin Xing Beauty World Inc. The application generated custom customer invoices with unique identification numbers. The user could select the number of invoices they wish to generate and print them. Created in Java with the use of JavaFX for UI.

### **Simple Text Editor[C++/QT]**

*May 2017*

Individual self-driven project made during summer break. The text editor was written in C++ using QT for the GUI. Supports many of the common functionalities of a standard text editor.

### **CineApex [Java / MySQL]**

*March - April 2017*

Group project, where we developed a database for a 'movie rental company'. We used MySql for the database. Website was designed with Java along with technologies like JDBC where used for the backend of the website.

### **Interest Groups [Python]**

*November 2016 - December 2016*

A final class group project, where I was the project leader for the assignment. We created a client and server program, using TCP connection, which was an online posting forum. The server supported multiple clients at the same time.