Johnson Lu

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LinkedIn Profile   **GitHub Profile**
https://www.linkedin.com/in/johlu1   https://github.com/JohnsonLu3

Website
https://johnsonlu3.github.io

EDUCATION
Stony Brook University – Stony Brook, NY   B.S. Computer Science **2015-2017**
          Dean's List of Distinguished Students Award 2016 and 2017 Fall

Skills

Algorithms	Sorting algorithms, Dynamic programming, Graphing algorithms, Big O
Computer Systems	Basic level of Assembly, System Security, and Computer Architecture
Computer Networks	Socket programming and Internet protocols, such as RDT, UDP, TCP
Languages	Java, C++, C, C#, Python, SQL, HTML, CSS, JavaScript, Android
Development	Agile, Web Design, OOP, MVC, Gradle, Maven

Experience
GerryMandering Analyzer [Java / MySQL/Python/JS]   *September - November 2017*
- Restful website with frontend and backend. Developed in a team of three.
- Used Agile development process.
- Backend developed with Java Spring Framework and frontend developed with Bootstrap.
- MySQL 5.7, hosted on AWS DB, was used to hold long amount of geospatial data.
- Python was used to parse and reduce size of data by 75% while retaining accuracy of data.
- Turned into a research project at Stonybrook for Spring 2018.

Xin Xing Beauty Invoice Generator [Java/ JavaFx]   *August 2017*
- Freelance application created for Xin Xing Beauty World Inc.
- Application generates custom invoice with options for customization.

Basic Calculator [Android/Java]   *May 2017*
- Self drive project to learn C++ application development using QT framework for GUI.
- Supported basic Text editing tools such as font size, bold, italics, underline, ect.

CineApex [Java / MySQL/ JDBC/ JS]   *March - April 2017*
- Mock website that acted as a movie rental service.
- Backend developed with JDBC and frontend using BootStrap.
- MySQL used to store customer and movie rental data.

Interest Groups [Python]   *November 2016 - December 2016*
- Multi threaded socket server program and a user program.
- Users are allowed to make post and read threads created by other users.