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

Graduated from Stony Brook University – Stony Brook, NY   B.S. Computer Science **2015-2017**

   Dean's List of Distinguished Students Award 2016 and 2017 Fall

Skills

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
Development	Agile, Web Design, OOP, MVC, Gradle, Maven, Git

Experience

Smart Snake [Processing/Java]   *July 2017 - Ongoing*

- Utilizes shallow unsupervised neural network to learn how to play a game of snake
- Both the game of snake and neural network are written from scratch.

Android Calculator App [Android/Java]   *January 2018*

- Created using Android Studio.
- Supports basic mathematical grammar
- Made in the aims to learn android development

GerryMandering Analyzer Webapp [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 large amounts 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.
- Utilized Apache POI for word document manipulation

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.