Christopher Luo

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Website: https://cdluo.github.io/

Education

Brown University – Providence, RI — Computer Science ScB
Graduation: May 2018

-Database Management Systems
-Cybersecurity and International Relations
-Introduction to Software Engineering
-Introduction to Systems
-User Interface Design
-Introduction to Algorithms and Data Structures
-Introduction to Object Oriented Programming

Experience

Teaching Assistant (Cybersecurity and International Relations) — Spring 2017

- Course focuses on both the technology and policy behind modern cybersecurity.
- Topics Include: CPU/RAM architecture, OS/Application security, Networking protocols.
- Will help develop course resources, hold hours, and lead discussion sections.

Extract, Transform, Load (Database Management Systems) — October 2016

- Created program to generate an SQL airline database using JDBC.

To the New World (Personal Project) — August 2016

- Researched and implemented "world simulating" algorithms in Spark web server.
- Deployed project and converted database (PostGreSQL) on Heroku.
- Developed frontend interface with HTML, CSS, Ajax, jQuery, and other JS libraries.

Rubber Mallet (Bridgehacs Hackathon) — August 2016

- Pitched idea and managed a team of 5 to its completion.
- Implemented MALLET machine learning package (Java).

Maps (Introduction to Software Engineering) — April 2016

- Wrote back end server code, including communication with a separate traffic server.
- Visualized sqlite database into a scrollable map, among other front end features.

Agent32 (Introduction to Software Engineering) — March 2016

- Managed server communication with front end in a web videogame.
- Designed game using external data, such as the Google Maps API.

MALLOC (Introduction to Systems) — November 2015

- Implemented MALLOC in C

Heap, ConvexHull, Graph (Introduction to Algorithms and Data Structures) — Spring 2015

- Implemented data structures in Python with restrictions on allowed functions.
- Analyzed and wrote algorithms to utilize these data structures.

Skills

- CS Languages: (Proficient) Java, HTML, CSS, JS, SQL; (Familiar) C, Assembly, Python
- Languages: (Fluent) Mandarin Chinese; (Familiar) Spanish
- Communication skills: Active blogger, strong background in literature and history coursework.
  - Upperclass Small Group Leader (Reformed University Fellowship)
    -Weekly counseling, study, and discussion meetings (~4-8 hours weekly with 10-20 students).