Christopher Luo

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Education

Brown University – Providence, RI — Computer Science ScB
Introduction to Software Engineering — Graduation: May 2018
Database Management Systems — GPA: 3.35
Introduction to Systems
Cybersecurity and International Relations
User Interface Design
Introduction to Algorithms and Data Structures
Introduction to Object Oriented Programming

Employment

Teaching Assistant (Cybersecurity and International Relations) — December 2016 - Present
- Developing course resources, holding hours, and leading discussion sections.

Dining Services Worker (Brown University) — Fall 2014 - Spring 2016
- Awarded 3 supervisor commendations

Personal

Bridgehacs Hackathon (Rubber Mallet) — August 2016
- Pitched idea and managed a team of 5 to its completion.
- Taught Java and HTML fundamentals to 2 team members with little coding experience.

Personal Project (To the New World) — July 2016
- Created web application server in Java. Set up database (PostGreSQL), deployed to Heroku.
- Developed frontend interface with HTML, CSS, Ajax, jQuery, and other JS libraries.

Coursework

B+ Tree (Database Management Systems) — October 2016
- Implemented B+ Tree data structure for database indices.
- Analyzed performance with different sorting algorithms and node fanout sizes.

Maps (Introduction to Software Engineering) — April 2016
- Wrote majority of server code. Visualized sqlite database into a scrollable map.

Agent32 (Introduction to Software Engineering) — March 2016
- Worked in a team of 4 to pitch, follow-up, and present a large software project.
- Front-End Engineer: designed, implemented, and connected entire front end of a web game applet.

Malloc (Introduction to Systems) — November 2015
- Implemented the malloc library function in C.

Heap, ConvexHull, Graph (Introduction to Algorithms and Data Structures) — Spring 2015
- Implemented data structures in Python with function restrictions. Analyzed their performance

Skills

- Programming Languages: Java, HTML, CSS, JS, SQL (proficient); C, Assembly, Python (familiar)
- Environment/Tools: Eclipse, Git, Linux Terminal, Microsoft Office
- Campus Activities:
  RUF Fellowship Small Group Leader: weekly discussion leader and 1-1 meetings.
  Co-founder/President of Brown Pokemon Club: gave presentations on battle strategy, organized events.
- Other coursework: Micro/Macro Econ, Managerial Decision Making, Digital History, Tolstoy, Dostoevsky