

Christopher Luo

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

Education

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

Experience

Teaching Assistant (Cybersecurity and International Relations)	Spring 2017
<ul style="list-style-type: none">• Course focuses on both the technology and policy behind modern cybersecurity.• Technical topics include: CPU/RAM architecture, OS/Application security, Networking protocols.• Developing course resources, holding hours, and leading discussion sections.	
B+ Tree (Database Management Systems)	October 2016
<ul style="list-style-type: none">• Implemented B+ Tree data structure for database indices.• Analyzed performance with different sorting algorithms and node fanout sizes.	
To the New World (Personal Project)	August 2016
<ul style="list-style-type: none">• Researched and created server to simulate world trends in population.• Deployed project and converted database (PostgreSQL) on Heroku.• Developed frontend interface with HTML, CSS, Ajax, jQuery, and other JS libraries.	
RubberMallet (Bridgehacks Hackathon)	August 2016
<ul style="list-style-type: none">• Pitched idea and managed a team of 5 to its completion.• Used MALLET Java package to train topic models on raw text. Visualizes topic models.	
Maps (Introduction to Software Engineering)	April 2016
<ul style="list-style-type: none">• Wrote code to communicate with traffic server and process user queries from front end.• Visualized sqlite database into a scrollable map, among other front end features.	
Agent32 (Introduction to Software Engineering)	March 2016
<ul style="list-style-type: none">• Worked in team of 4 to pitch, follow-up, and present our project to the professor.• Front-End Engineer: Designed, implemented, and connected entire front end of a web game applet.	
MALLOC (Introduction to Systems)	November 2015
<ul style="list-style-type: none">• Implemented MALLOC in C	
Heap, ConvexHull, Graph (Introduction to Algorithms and Data Structures)	Spring 2015
<ul style="list-style-type: none">• Implemented data structures in Python with restrictions on allowed functions.• Analyzed and wrote algorithms to utilize these data structures.	

Skills

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- 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.
 - Campus Activities:
 - RUF Christian Fellowship Small Group Leader: Weekly 1-1 meetings and bible study leader.
 - Employment: Campus Dining Worker (Former) TA (Current)
 - Co-founder/President of Brown Pokemon Club. Co-founder of Brown TableTop Club.