

# Christopher Luo

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

## Education

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**Brown University** – Providence, RI

-Introduction to Software Engineering

-Introduction to Systems

-User Interface Design

-Database Management Systems

-Cybersecurity and International Relations

Computer Science ScB

Graduation: May 2018

## Projects

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**To the New World (Personal Project)**

June-August 2016

- Created backend Spark web server in Java.
- Configured application and database in PostgreSQL for Heroku deployment.
- Developed real time frontend with HTML, CSS, Ajax and jQuery.
- Enhanced HTML Canvas visualization with CreateJS.

**Rubber Mallet (Bridgehacs Hackathon)**

August 2016

- Implemented MALLET machine learning package (Java).
- Designed data visualization on the frontend.
- Coded application in under 18 hours.

**Brown Maps (Introduction to Software Engineering)**

April 2016

- Wrote backend code for path finding, autocorrection, and server communication for traffic.
- Visualized sqlite database into a scrollable map using Canvas.

**Agent32 (Introduction to Software Engineering)**

April 2016

- Responsible for entire user interface design and implementation.
- Implemented Google Maps API

**MALLOC (Introduction to Systems)**

November 2015

- Implemented MALLOC in C
- Used systems calls and other low level features.

**Heap, ConvexHull, Graph (Introduction to Algorithms)**

Spring 2015

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

**Tetris, Othello (Introduction to OOP)**

December 2014

- Coded two games in Java, including an AI player in Othello.
- Visualized game with Java Swing.

**CCCRI Website (Volunteer)**

July 2016-Present

- Developing new church website using php and wordpress.

## Skills

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- CS Languages: (Proficient) Java, HTML, CSS, JS, SQL; (Familiar) C, Assembly, Python
- Languages: (Fluent) Mandarin Chinese; (Familiar) Spanish
- Strong Communication skills: Active blogger, 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).