

Christine Lam

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EDUCATION

Wellesley College, B.A. in Computer Science

Expected Graduation: May 2022

Massachusetts Institute of Technology, Cross-registered student

Fall 2019

Relevant Courses: Data Structures, Foundations of Computer Systems, Combinatorics & Graph Theory, Computer Programming & Problem Solving, Applied Data Analysis and Statistical Inference, Innovation and the Law.

FEATURED PROJECTS

Pill Safety

September 2019

HackMIT: IBM Watson's Best Use of IBM Visual Recognition Winner

- Developed a device to reduce the opioid epidemic by using visual recognition to unlock prescription pill containers.
- Worked on training the visual recognition model and setting up IBM node-red to receive pictures from Dropbox and analyzing the classifiers.

Suitcase Packer

April 2019 – May 2019

Final Group Project for Data Structures

- Achieved a working Java program which allows a user to input location/date of travel to return a packing list.
- Implemented the data parsing of real-world data (us-weather-data dataset from 538) and formatted the data.

Safety First

November 2018

WHACK Hackathon: Code It Forward Social Impact Challenge Winner

- Scraped police databases to utilize historical crime data to display a heatmap of criminal activity in Boston.
- Used a deep neural network in Python to create a model for geospatial crime frequency.

EXPERIENCE

Research Assistant, Wellesley College

Wellesley, MA

Student

June 2019 – August 2019

- Academia research involving publication writing and investigating colonialism in video games at the mechanical level in relation to game studies.
- Discovered how Minecraft perpetuates over 6 colonialist myths by analyzing gameplay and using literary analysis.

Research Apprentice, Wellesley College

Wellesley, MA

Student

January 2019 – May 2019

- Interpreted and examined a dozen conference talks on online social media, primarily related to the propagation of misinformation and the evaluation of the trustworthiness of information.
- Improved over 20 units of curriculum for Wellesley College's Data Structure course by designing questions.

LEADERSHIP

Robogals, Wellesley College

Wellesley, MA

President

August 2018 - Present

- Led a group of 20+ volunteers to weekly workshops for elementary-aged girls to foster growth of women in STEM.
- Coordinated with various offices and school districts to ensure smooth programming.
- Proposed and oversaw the addition of a second school and the reacquisition of lost education materials.

SKILLS AND ACCOMPLISHMENTS

Technical Skills: Intermediate – Java, Python, R, HTML, CSS; Beginner – JavaScript, C, Vim, Bootstrap 4, Git, Agile, Statistical Analysis, SQL, Procedural Generation, Noise Functions, Node-RED, Visual Recognition

Events: HackMIT (Boston – 2019), Facebook Above & Beyond Computer Science Workshop Series (Boston – 2019), Google Tech Challenge (Boston – 2019), WHACK (Wellesley College Hackathon – 2018)

Awards: Best Use of Visual Recognition @ HackMIT, Best Team Spirit @ Google Tech Challenge, Code It Forward Social Impact Challenge Winner @ WHACK