

# Christine Lam

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## EDUCATION

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**Wellesley College**, Wellesley, MA  
*B.A. in Computer Science & Biology*

Expected Graduation: May 2022

**Relevant Courses:** Data Structures, Foundations of Computer Systems (Fall 2019), Combinatorics & Graph Theory (Fall 2019)

## EXPERIENCE

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**Research Assistant**, Wellesley College  
*Student*

**Wellesley, MA**

*June 2019 - Present*

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

**Research Apprentice**, Wellesley College  
*Student*

**Wellesley, MA**

*January 2019 – May 2019*

- Interpreted and examined conference talks on online social media, primarily related to propagation of misinformation and the evaluation of the trustworthiness of information.
- Developed curriculum (quizzes and tests) for Wellesley College's data structure class.

**Biochemistry Research Week**, Wellesley College  
*Student*

**Wellesley, MA**

*January 2019*

- Immersed into an intensive experience to develop laboratory skills in biochemistry: protein purification, expression, assays, and SDS-PAGE by characterizing UncA as a potential new motor protein.

**Robogals**, Wellesley College  
*President*

**Wellesley, MA**

*August 2018 - Present*

- Lead a group of volunteers to weekly workshops for elementary-aged girls to foster growth in women in STEM.
- Communicate with various offices and community members to ensure smooth programming.
- Oversaw the addition of a second school and the reacquisition of lost education materials.

## FEATURED PROJECTS

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**Planet Universe!**

*Ongoing*

*Personal Project*

- Procedurally generated space game using Slick2D and noise in Java.
- Developed an algorithm combining simplex and Perlin noise to create smooth nebulae transitions.

**Suitcase Packer**

*April 2019 – May 2019*

*Final Project for Data Structure Class*

- 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 and formatted the data.
- Collaborated with a team to communicate ideas and design the product.

**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 to create a model for geospatial crime frequency.

## SKILLS AND ACCOMPLISHMENTS

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**Technical Skills:** Intermediate – Java, Python, R, HTML, CSS, JavaScript; Beginner – Vim, Bootstrap 4, Git, Agile, Statistical Analysis, SQL

**Events:** WHACK (Wellesley Hackathon – 2018)

**Awards:** Best Team spirit at Google Tech Challenge (2019)