Christine Lam

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EDUCATION

Wellesley College, Wellesley, MA   Expected Graduation: May 2022
B.A. in Computer Science & Biology

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

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 colonialist myths by analyzing gameplay and using literary analysis.

Research Apprentice, Wellesley College   **Wellesley, MA**
Student   *January 2019 – May 2019*
- Interpreted and examined conference talks on online social media, primarily related to the 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   **Wellesley, MA**
Student   *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   **Wellesley, MA**
President   *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

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

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

Events: Google Tech Challenge (Boston – 2019), WHACK (Wellesley Hackathon – 2018)

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