

Lilymoon Whalen

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EDUCATION

Wellesley College— Wellesley, MA

September 2023 – May 2027

Bachelor of Arts in Computer Science and Mathematics

- Relevant coursework: Introduction to Algorithms, Data Structures, Foundations to Computer Systems, Linear Algebra, Combinatorics and Graph Theory, Introduction to Engineering

SKILLS & CERTIFICATIONS

- **Languages:** Java, Javascript, Python, C, HTML, Dart
- **Tools/Frameworks:** React, GitHub, BlueJ, Eclipse, Visual Studio Code, PyCharm, Flutter, FireBase, Godot

EXPERIENCE

Wellesley Computer Science Department - TA

September 2024 – Current

- Hosted drop-in hours for Wellesley students to provide tutoring in data structures.
- Reviewed, graded, and provided feedback on homework for a class of 30 students.
- Attended weekly meetings to discuss course improvements and enhance student learning.

Wellesley Ballroom Dance Team - Treasurer

October 2023 – Current

- Managed over \$8,000 of yearly funds and budgeted membership fees for joint Wellesley-MIT Ballroom Dance Team.
- Coordinated with MIT treasurer on reimbursements.
- Handled event budgets, refunds, and yearly budget requests.

Summer Democracy Fellowship, DelBene Fellow

June 2023 – August 2023

- Worked in a group of 6 other peers to organize a fundraiser which raised \$1,280 for the DelBene initiative.
- Responsibilities included securing venues, organizing events, and conducting outreach to invite speakers
- Created a voting toolkit that analyzed voting laws in South Dakota and proposed actionable steps to mitigate voter inequality in the state.
- Attended weekly seminars and workshops and canvassed in different neighborhoods to promote voting efficacy.

Serendipity, Founder

June 2023 – August 2023

- A virtual bake sale dedicated to raising money for the Washington Education Association (WEA) Children's Fund, a non-profit organization dedicated to providing supplies to low-income students.
- Bake, packed, delivered and sold 282 macarons which raised \$628 for the WEA Children's Fund.
- Created a [website](#) using SquareSpace, set up payment logistics, wrote descriptions, and ordered packaging.

PROJECTS

[Juliene](#) - Lead Developer and Co-Founder

June 2024 – Present

- Led backend development, ensuring efficient data handling and integration with the frontend.
- Facilitated meetings on app structure and design, focusing on improving user experience.
- Developed data models and created Figma prototypes for the app interface.
- Made key design decisions on code structure and organization.

[Wellesley Housing Selector](#) | Team of 3

January 2024

- Brainstormed project ideas, discussed design choices in storing the data, and implemented them.
- Scraped data from 20 page PDF in Python and processed the data into a usable database using Java.
- Developed new features such as allowing users to restart housing selection and fixed formatting issues when processing user input.

[Wellesley Game Jam](#) | Third Place Winner

March 2024

- Utilized **GoDot Game Engine** to create an interactive storytelling game based on the theme of 'retelling' in 48 hours
- Designed sprite sheets, coded character movement, added interactive components

[Bechdel-Hollywood Graph Data Structures Project](#) | Team of 3

December 2023

- Collaborated and made design choices utilizing data structures.
- Designed a new Bechdel Test, which looks at if each movie's cast is at least 50% female.

Publications

[Relative Impact of Family Income vs. Per Student Expenditures on Education Outcomes in Washington](#)

August 2022