

**Haley Breslin**  
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(703) 401-6184

## **EDUCATION**

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### **The University of Chicago**

*Bachelor of Arts in Computer Science*

GPA: 3.78/4.0

Relevant Courses: Systems Programming, Computers for Learning (Educational Game Design), Introduction to Computational Sociology, Theory of Algorithms, Introduction to Robotics, Introduction to HCI

Chicago, IL

Expected June 2026

### **Sidwell Friends School**

Diploma

Honors: National Merit Scholar Finalist (2022)

Washington, D.C.

June 2022

## **EXPERIENCE**

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### **Code Your Dreams, Summer Intern, Chicago, Illinois, June 2024 – August 2024**

- Developed an introductory Python course available for asynchronous completion through Edovo tablets, allowing incarcerated people to access programming education in 750+ correctional facilities
- Coordinated project tasks, organized meetings, and set deadlines for a team of five interns
- Built the REV ION FRC 2023 Starter Bot for use in introductory robotics education for high school students

### **Watsi, Summer Intern, San Francisco, California, June 2023 – August 2023**

- Created new patient and medical information templates for use creating donor-facing patient profiles
- Launched the first high school level Watsi team; created a fundraising information booklet for team use that included Watsi fundraising guidelines, event ideas, educational materials, and team promotional materials.
- Edited and published almost 100 donor-facing patient profiles; Trained volunteers to edit patient profiles.

### **Ex Libris Café, Barista, Chicago, Illinois, March 2023 – Current**

- Worked shifts throughout the school year while maintaining a full course load
- Maintained store cleanliness, ensured health and safety regulations were followed and enforced, managed customer transactions, and prepared drinks and food
- Recognized for my dedication and leadership ability through promotions

## **LEADERSHIP & ACTIVITIES**

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### **Pi Beta Phi, Vice President of Recruitment, Chicago, Illinois, April 2023-Current**

- Organized and ran a variety of 10+ hour recruitment events involving over 300 women and effectively handled all budgeting; Exceeded recruitment targets by 70%, and set a record for chapter growth
- Received formal training on subjects such as Diversity Equity and Inclusion and Effective Leadership Strategies
- Tutored local students in literacy skills through Pi Beta Phi's Read > Lead > Achieve program

### **Sidwell Friends Computer Science Department, Teacher's Assistant, Washington, D.C., September 2021 – May 2022**

- Taught students essential skills for an introductory computer science course using Python and Java
- Assisted students with projects by providing easy access to additional resources, explaining difficult topics, and addressing errors

## **PROJECTS**

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### **Green Guardians MVP: Unity, Game Design, C#**

- Developed and produced a minimum viable product for an educational simulation game about making eco-friendly choices targeted at fourth grade students

### **Dancing Turtlebot3 MVP: Computer Vision, Machine Learning, Python, and ROS**

- Developed an ASL recognition model using TensorFlow capable of recognizing ASL letters through real time-camera input
- Integrated the trained model with a turtlebot3 robot using ROS to trigger specific dance patterns based on recognized ASL letters

## **SKILLS**

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**Languages:** Conversational reading and writing French, Native English speaker

**Computer:** Proficient in Java, Python, C++, C, Microsoft Office Suite, GitHub, Unity, ROS