

# LAUREN HO

Mailbox #4753, Brown University, 69 Brown Street, Providence, RI, 02912  
T: (201) 906-3424 E: lauren\_ho@brown.edu  
Personal Website: <https://laurho.github.io/>

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## EDUCATION

**Brown University**, Bachelor of Science, Computer Science

Expected Graduation: May 2019

- GPA: 4.0
- Courses include:
  - Object-Oriented Programming in Java
  - Algorithms and Data Structures
  - Software Engineering
  - User Interfaces and User Experience
  - Computer Systems
  - Computer Graphics

## TECHNICAL EXPERIENCE

**Head Teaching Assistant**, Brown University Computer Science Department

Spring 2017-Present

- HTA for: CSCI0150: Intro. To Object Oriented Programming and Computer Science
- Hire and manage a course staff of 40 Undergraduate Teaching Assistants
- Develop and improve introductory Java course with Professor Andy van Dam and 3 co-head TAs
- Organize course logistics for a class of 350+ students

**Founder**, Akeso

Fall 2016- 2017

- Developed a startup aimed at benefitting patients undergoing physical therapy and increase patient therapist alliance
- Communicated with clinical directors in Providence and Boston area to optimize user experience and clinical impact
- Prototyped a mobile application on Xcode using Swift

**Undergraduate Teaching Assistant**, Brown University Computer Science Department

2016- 2017

- TA for: CSCI0150: Intro. To Object Oriented Programming | CSCI0160: Intro. To Algorithms and Data Structures
- Held weekly lab sessions, design sections, and TA hours to socratically guide students through course material
- Graded and provided constructive feedback on Java projects and Python problem sets
- Humor TA: Responsible for developing course material and writing/directing traditional class skits

**Co-Head Game Developer**, Bergen County Academies

2014-2015

- Researched ocular capabilities and anatomy of animals from the African savannah
- Designed and built a 3D world using Unity Game Engine and Autodesk Maya to simulate the vision of animals

## PROJECTS

**News For Good**

Spring 2017

- Web application (<https://www.news4good.us/>) that takes a user's news preferences and matches them with charities
- Filtered the matching process using frequency and readability of the news and charity text

**Voices of America**

Fall 2016

- Designed a platform to give people who have faced discrimination a voice and sense of community
- Congregated archived and real-time input to analyze patterns and generate conversations to address trends
- Created a website using ArcGIS, HTML, CSS, Adobe Illustrator, and Adobe After-Effects

## EXTRACURRICULAR ACTIVITIES

**Women in Computer Science (WiCS)**, Mentor

2016-Present

- Provide support and encouragement to students taking computer science courses
- Advise students regarding continuing CS, recommended courses, research opportunities, resources, etc.

**Fiction For Kids**, Writer and Illustrator

2015-Present

- Author several original short stories selected for donation to child cancer patients
- Illustrate and digitize original storylines of popular fictional characters

**Scarlet Aquatics: New Jersey Wave Division**, Competitive Swimmer

2005-2015

- Nationally ranked 4<sup>th</sup> in the 100 and 200 breaststroke in the Spring 2013
- 1<sup>st</sup> place and current record holder in Eastern Zone Championships for 200 breaststroke

## LANGUAGES AND INTERESTS

**Proficient:** Java, Python, C++, Swift, HTML, CSS, Javascript, and SQL

**Familiarity:** x86 Assembly, C, and Matlab

**Interests:** Creative writing, 3D modeling, biomimicry, Greek mythology, traveling, biking, swimming, skiing