

# LAUREN HO

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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
  - Linear Algebra
  - User Interfaces and User Experience
  - Computer Systems
  - Software Engineering

## 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

### 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

### Akeso

Fall 2016-Present

- Develop a startup aimed at benefitting patients undergoing physical therapy
- Communicate with clinical directors to optimize user experience and clinical impact
- Create a mobile application on Xcode using Swift

### 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

- Authored several original short stories chosen to be donated 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, Swift, HTML, CSS, Javascript, and SQL

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

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