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   ○ 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 to benefit 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 4th in the 100 and 200 breaststroke in Spring 2013
- 1st place and current record holder in Eastern Zone Championships for 200 breaststroke

LANGUAGES AND INTERESTS

Proficient: Java, Python, C++, Swift, HTML, CSS, Javascript, and SQLite
Familiarity: x86 Assembly, C, and Matlab
Interests: Creative writing, 3D modeling, biomimicry, Greek mythology, traveling, biking, swimming, skiing