EMMA ELIZABETH CATLIN

650-703-5336   emma_catlin@brown.edu

CURRENT WORK EXPERIENCE

BROWN COMPUTER SCIENCE DEPARTMENT, Providence, RI   **2015-2016**

Undergraduate Teaching Assistant
The Brown University Computer Science Department employs a number of undergraduate students to aid the professors in teaching, grading, and supporting their students. Currently, I am an undergraduate TA (teaching assistant) for CS015, An Introduction to Object Oriented Programming, and last year I was a TA for CS015 and for CS016, Introduction to Algorithms and Data Structures. As a TA for these courses, I spend four hours every week to help students better understand the concepts taught in the lectures and debug their java programs. I also grade students' assignments and projects, help design the coding projects and lectures for the courses, and run the students' weekly labs.

SUMMER WORK EXPERIENCE

PURE STORAGE, Mountain View, CA   **2016**

Software Engineering Intern
Pure Storage is a flash storage company. As an intern on the escalations development team, I built a tool for the customer support teams. The tool is a search engine that includes all of the different data pools that the engineers have to search in order to find similar issues to solve their customer cases sooner. Our search engine integrated five different data sources into a single search tool, using ElasticSearch as the backend. The middleware implemented various ranking schemas to improve the results returned, tracked user interactions with the site to improve result quality, and even has various parsing logic to ensure that even if the user searches for something as long as a logline, they will still get back meaningful results. The project improved the ease of searching, improved the quality of search results, and exposed engineers to new pools of information that they hadn't previously thought to search.

CHANGE.ORG, San Francisco, CA   **2015**

Software Engineering Intern
Change.org is an online petition platform. As an intern on a team of web-developers, I helped launch the new branding pages for the site and worked closely with designers to ensure that the aspects of the pages I coded aligned with their designs. I also fixed bugs on the website, reviewed my coworkers' code, and used what I learned to work on a web-based automated video project. I was the only engineer on the video project, so I went through the process of engineering spike, design review, story-boarding, and actual implementation. The purpose of the project was to achieve proof of concept and to get the rest of the company excited about its potential, which I achieved.

ANITA BORG INSTITUTE, Palo Alto, CA   **2013 – 2014**

Marketing Intern
The Anita Borg Institute is a non-profit organization whose mission is to promote women in STEM careers. As an intern in the marketing team, I organized online marketing assets, managed website updates, responded to email inquiries about ABI, and coordinated sponsor logistics for the Grace Hopper Conference. I was also a member of the cross-functional team working to expand the reach of ABI's Top Company Award.

GABRIELLE'S ORIGINALS, Watch Hill, RI   **2010 – 2012**

Sales Associate
Gabrielle's Originals is a children's clothing boutique. My responsibilities included: helping customers, ringing up purchases, gift-wrapping, re-stocking, pricing new inventory, and miscellaneous organizing.

EDUCATION

Brown University, Providence, RI
Currently a Junior, expected to graduate June 2018 with degree in Computer Science

Sacred Heart Preparatory, Atherton, CA
Graduated in June 2014
GPA: 4.21

TECHNICAL SKILLS

Java, Python, C, JavaScript, HTML, CSS, Emblem experience

ACTIVITIES

Teaching Assistant for the Introductory Computer Science Course at Brown Fall 2015

Volunteer at the MET ESOL Program for teaching English to adult learners

Member of a LeanIn circle

Volunteer for St. Anthony's Padua Dining Room in Menlo Park Summers 2013-2014

LANGUAGES

Fluent in English and Spanish