Amy Malia Takayesu

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Mission

My mission is to help to advance humankind in a creative, beautiful and positive direction.

Education

Master of Science in Computer Science   *Honolulu HI*
University of Hawaii at Manoa   *August 2017*
GPA: 3.88

Bachelor of Science in Computer Science   *Honolulu HI*
Minor in Business Administration   *December 2014*
University of Hawaii at Manoa
GPA: 3.54

Work Experience

Software Engineer Intern, *May 2017—present*
LiveAction, Palo Alto, CA
Contributed front-end code to the LiveNX web UI, with a focus on AngularJS. Participated in agile development and worked through dozens of issues spanning over four releases (6.2.0, 6.2.1, 6.2.2, and 7.0). Worked with the back-end team and a remote design team to integrate new management features into the web UI. Also improved customer support and customer on-boarding experiences by implementing LiveAction's first WalkMe solutions.

Computer Science Teaching Assistant, *January 2015—May 2017 (2.5 years)*
Department of Information and Computer Sciences, University of Hawaii at Manoa
- Introduction to Computer Science II: Led and lectured 75-minute classes twice a week, focusing on implementing data structures using Java, and core concepts such as sorting algorithms and recursion.
- Programming Language Theory: Graded assignments and provided weekly assistance for students learning Lisp, Prolog, and Python.
- Secure Coding: Developed full lesson plans including class format, material, homework, and facilitated discussions on exploiting and fixing common code vulnerabilities.
- Software Engineering I & II: Worked in small groups (3-4 students) with each student during their agile development process, and held weekly practice sessions on Javascript, HTML/CSS, Semantic UI, and Meteor.

Assistant Computer Engineer, *January 2013—December 2014 (2 years)*
Department of Information and Computer Sciences, University of Hawaii at Manoa
Assisted with building and troubleshooting Windows computers for student labs, assisted with security camera and surveillance system, worked as a server administrator, provided technical support to department staff and maintained department equipment through general maintenance and weekly updates.

Projects

RadGrad, *August 2016 - present*
radgrad.org, radgrad.ics.hawaii.edu
A system built on the Meteor Framework that aims to enhance computer science education academically, socially, and professionally. I was one of three key programmers who designed, built, and tested the initial system. I primarily created the student, faculty, and mentor pages, and helped build the API. I was also honored to present RadGrad at the 2017 Booz Allen Ideas Festival, where I was the only student chosen to present, among a sea of successful industry professionals. The RadGrad beta version was released at the University of Hawaii at Manoa in August 2017, and is currently available to students, faculty, advisors, and alumni.

Powered By Sunshine, *May 2017*
2017.spaceappschallenge.org/challenges/earth-and-us/you-are-my-sunshine/teams/powered-by-sunshine-1/project
A fully functioning solar power energy tracking web application built in 48 hours with the Meteor Framework, Semantic Ui, Materialize CSS, and Chart.js, and using live weather and solar data. I heavily contributed to the design and implementation of the application, along with two other group members. Won local "Best Overall" winner, and became a global finalist for the 2017 NASA Space Apps Hackathon.

HotMaps, *May 2017 - present*
Not yet released to general public
A Flask application built on Google App Engine that integrates live satellite data and Google Maps to provide real time fire detection with a user friendly interface. In a team of two, I contributed to both the design and implementation using Python, Javascript, Jinja templates, and Semantic UI.

Activities

Director of Marketing, *Fall 2013 – Spring 2014 (1 year)*
Information Technology Management Association (ITMA)
- Organized club recruitment and recruited 50+ new and more diverse members
- Organized two large and successful promotional fundraising events at Nocturna Lounge
- Maintained club's online presence (website, Facebook)

Red Team Member, *Summer 2013*
2013 Po'oihe Cyber Range Exercise
- Learned and practiced basic penetration testing skills using Kali Linux and Metasploit
- Attempted social engineering to obtain sensitive information from Blue Team members

Skills

Programing Languages/Frameworks
- **Main:** Java, JavaScript, HTML/CSS, Semantic UI, Meteor, AngularJS
- **Familiar:** C, C++, Common Lisp, Prolog, Python, SQL, assembly, Java Play Framework

Toolsets/OS
Git/GitHub/Bitbucket, Jira & Confluence, Mac OS X, Windows 7, Linux (Ubuntu)

Development Environments
Eclipse, IntelliJIDEA, WebStorm

References

Available upon request