

Amy Malia Takayesu

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Mission

My mission is to help connect humans to technology in meaningful ways that enhance our lives rather than distract or detract us from what matters.

Education

Master of Science in Computer Science

University of Hawaii at Manoa

GPA: 3.88

Honolulu HI

August 2017

Bachelor of Science in Computer Science

Minor in Business Administration

University of Hawaii at Manoa

GPA: 3.54

Honolulu HI

December 2014

Work Experience

Software Engineer, May 2017–February 2019

LiveAction (Network Performance Monitoring Software)

Focused on front-end web development using the MongoDB/Express/AngularJS/NodeJS stack. Worked closely with the design team and the Java API backend team. Lead a feature for two releases, which involved managing developer resources, triaging tasks, working closely with the product manager, and making sure my team's tasks get done right and on time. Also improved customer support and on-boarding experiences by independently leading the implementation of WalkMe solutions.

Graduate Teaching Assistant, January 2015–May 2017

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

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

Anxiety Tracker, April 2019 - present

A mobile application created with the aim of providing a nonintrusive, straight-forward and simple way for users to keep track of their anxiety symptoms and experiences. Also generates charts to allow users to identify patterns and possible triggers. Built with React Native for both iOS and Android.

RadGrad, August 2016 - present

radgrad.org, radgrad.ics.hawaii.edu

A conceptual system and web application built on Meteor 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 with a focus on the student, faculty, and mentor capabilities. I was also presented RadGrad at the 2017 Booz Allen Ideas Festival. 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. I am currently active as a member of the advisory board.

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 Meteor, Semantic Ui, Materialize CSS, and Chart.js, and 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.

Activities

Crisis Counselor, March 2019 - present

Crisis Text Line

- Work with people from all around the United States in times of crisis, to bring them from a hot moment to a cool calm through active listening, collaborative problem solving, and safety planning.
- Assess testers for signs of suicidal intentions, and for abuse for minors.

Director of Marketing, Fall 2013 - Spring 2014

Information Technology Management Association (ITMA)

- Organized club recruitment and recruited 50+ new and more diverse members
- Organized two large and successful promotional fundraising events
- Maintained club’s online presence (website, Facebook)