JACKIE TSENG

CONTACT

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SKILLS

Java
JavaScript
Python
C++
HTML
CSS
jQuery
React Native
Android
AWS
OS X
Linux
Windows

CONCEPTS

Mobile Development
Front-End Development
Object Oriented
Methodologies

EDUCATION

UNIVERSITY OF CALIFORNIA, DAVIS

B.S. in Computer Science

Minor in Technology
Management

EXPERIENCE

AMAZON ALEXA | SOFTWARE DEVELOPMENT ENGINEER

September 2015 – Present | Irvine, CA

- Greatly contributed to the UX overhaul of the Alexa App, involving Android, iOS, React Native with Typescript, and Node.js. Improved performance by reducing app start up time by 90%, and provided a better native experience for end users.
- Excelled in building UX flows in React Native and Android, and provided UX feedback on improvement and functionality to designers.
- Designed and built components for UIToolkit, a platform that allowed server-side rendering of mobile layouts for iOS and Android apps using React Native.
- Pioneered efforts to introduce programming to middle school students and encourage an interest in development early on with tech talks to convey the usefulness of a career in software development.

AMAZON WEB SERVICES | SOFTWARE DEVELOPMENT ENGINEER INTERN

June 2014 – September 2014 | Seattle, WA

- Devised a load balancer that used various techniques, such as random and weighted-random, to relay tasks to different threads.
- Boosted the performance of a system that utilized multithreading to process system messages chronologically, contributing to an overall improvement on performance for Amazon Redshift.

TOM&CO | FRONT END DEVELOPMENT INTERN

September 2014 – November 2014 | London, UK

- Designed responsive marketing emails for various UK e-commerce companies including Sofa.com and Pooky.com using HTML and CSS, and utilized Litmus to ensure that they accommodated all email clients and browsers.
- Introduced Gulp.js to build templates for marketing emails that expedited the process, increasing efficiency of completion by 75%, and clearly documented how to use and modify the template.
- Implemented responsive web elements for the websites, and QA tested across all browser platforms.

DAVIS CODE CAMP | PROGRAMMING INSTRUCTOR

September 2013 – June 2015 | Davis, CA

- Co-designed a beginner's curriculum for students to follow involving animation using MIT's Scratch program and robot manipulation using UC Berkeley's Snap program.
- Developed an intermediate curriculum that acquainted students with advanced techniques in Scratch and introduced students to further programming in Python.
- Educated elementary school students how to program using high-level applications and promoted creative thinking.

PROJECTS

WRKSHP.GITHUB.IO | PROGRAMMING WORKSHOPS FOR UNIVERSITY STUDENTS

- Spearheaded development workshops for UCI undergraduate students to teach new technologies and inspire students to build their own projects.
- Built the landing page and workflow for the workshop websites to give clear, step-by-step instructions on building an Amazon Alexa skill and an Android app.