KATHERINE XU

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Education

University of California, Berkeley
August 2015
B.A. Computer Science

Relevant Courses

Data Structures
Machine Structures
Discrete Math
Linear Algebra
Computer Graphics
Parallel Software Engineering
Artificial Intelligence
UI Design / Android Development
Networking

Skills

Proficient

Java	SASS
Typescript	Bootstrap
HTML5	Git
CSS3	Subversion

Prior Experience

Python	OpenGL
Django	jQuery
Angular2	Android SDK
Webpack	PHP
NPM	mySQL
C	Photoshop
C++	Illustrator

Relevant Work Experience

Software Developer
April 2016-August 2017
StrongAuth
Handled user interface prototyping, database design/implementation, and back-end development for multiple web applications. Developed applications using Angular 2 and Typescript; developed Enterprise Java REST/SOAP API. Maintained Java Servlets and JSP application code to comply with third party API.

Web Developer
May 2015-August 2015
All Natural Medicine Clinic
Redesigned company website to be responsive and user friendly. Created custom WordPress theme using JavaScript, jQuery and Twitter Bootstrap. Maintained website and updated it according to client's needs.

Technical Evangelist August
August 2014-March 2015
Live2D
Independently organized tutorial panels to teach company's software suite at conferences. Explained functionality and usage of company's SDK to potential developers using examples in Java. Created promotional graphics for events.

Programmer/Design Intern
June 2014-August 2014
Live2D
Used the Live2D SDK to create sample applications for Android with Java and the Android SDK. Also created a sample game application for Windows using C# and Unity 3D. Created models with company-developed software suite. Created tutorials and promoted company's software stack through events and media.

Research Assistant
March 2014-May 2014
University of California, Berkeley
Used Google Maps API to create a web application that accepted user questionaire regarding stress and visualized stress causes, storing them in a mySQL database.

Select Projects

Sales Analytics Web Application for Artists
HTML, CSS, Javascript, Twitter Bootstrap, Django
Personal project. Implemented responsive front end with multiple browser support. Assisted with debugging back end. Wrote web scraper using Python and Beautiful Soup to add information to database.

Optimized Ray Tracer
C++, OpenGL, OpenMP, SSE Intrinsics
Designed and implemented a ray tracer optimized to scale 2800 times faster than the serial version with the implementation of AABB trees and usage of parallel programming languages.