

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	SCSS
Typescript	Bootstrap
HTML5	Git
CSS3	Subversion

Prior Experience

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



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 questionnaire 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 BeautifulSoup 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.