Jesse Zhou

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jezhou.me

Skills

Languages	Tools	Frameworks
Python	Eclipse	Meteor.js
Java	Android Studio	Django
C	Node.js	Bootstrap
JavaScript	Git	Jekyll
C++	Unix	
SPARC Assembly	Vim	
LaTeX	MongoDB	

Education

University of California, San Diego
B.S. Computer Science, GPA 3.74

Graduating in 2017

Experience

UCSD Devaraj Group
Web Developer

Revamped a chemistry / biochemistry labs website from the ground up using Jade, Bootstrap, and Node.js. Created functions using JavaScript and Jade to easily add new content to the website without hardcoding HTML.

December 2014 to Present

Space and Naval Warfare Systems Center
Research Assistant

Implemented supervised machine learning to recognize unknown GPS trajectories from known ones. Analyzed and pre-processed millions of GPS coordinates using KNN and SVM algorithms.

June 2014 to August 2014

Cascade Clean Energy Inc.
Web developer

Created multimedia that detailed the CASCADE treatment of wastewater and creation of renewable energy.Redesigned website to be more professional and mobile friendly, can be found at www.ccleanenergy.com.

August 2014

Projects

Lambda Drawbot
Arduino Uno Robot & Android Mobile Application

Developed from scratch an Android application that remotely controls an Arduino Uno robot through a Bluetooth connection. Also managed the robot team, which consisted of 12 undergraduates from different engineering disciplines.

Fall 2014

Telecom Simulation Project
Meteor & Node.js

Project manager and developer for website designed to simulate large scale telecom companies. Contributed to more than half of the server-side code used to communicate with the MongoDB database.

Winter 2015

Audeo
Android Hackathon Project

Autism Speaks Hackathon project; helped create an Android mobile application that analyzes speech using sentiment analysis. Organized the Application UI and created website that marketed the application in HTML, CSS, and JavaScript.

Summer 2013

Activities

Theta Tau, Professional Engineering Fraternity
Active Member

2015 to Present

Boy Scouts of America, Troop 535
Eagle Scout

2000 to 2013