
MARK LIU

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EDUCATION

University of California, San Diego

09/2015 – 06/2019

- Mathematics - Computer Science, B.S.
 - Management Science, B.S.
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WORK EXPERIENCE

Tzu Chi USA – Web Development Intern

06/2017 – 09/2017

- Effectively collaborate in a 3-man team to create a new Income Recording System. The system was built following the MEAN stack design.
- Worked on duties mainly on the front-end UI using AngularJS, Angular Material, and REST API. Responsible for creating the interface used to submit income entries. Implemented word validations through Angular's directives. Implemented file upload and download by parsing raw data from the server into a displayable image file or downloadable link.
- Followed Agile software development approach. Executed and delivered tasks assigned on JIRA.

GlobalHOPE Initiative – Web Developer/Designer & Webmaster

07/2016 – 05/2017

- Developed the main page without any templates. Set up a static HTML page designed with CSS designs. Created page transitions using Javascript. Constantly communicated with other members for feedbacks and inputs on the design of the website.
 - Set up the server hosted on DreamHost. Configured domain emails and accessible passwords for existing and incoming members. Uploaded files onto the server via WinSCP
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LEADERSHIP & SERVICE

UCSD Tzu Ching – Volunteer & Historian

03/2017 – Current

- Assist students K-12 from low income family by offering tutoring services. Visit the senior center monthly and provide company to the elderly through entertaining activities such as charades.
 - As a club officer, help lead volunteering events and instruct new members. Responsible for taking photos at events, editing via Adobe Lightroom, and maintaining photo albums on social media.
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PROJECTS

Mobile Map-based Photo Application Project

4/2017 – 06/2017

- Working in a 6-man group. Created using Android API, Firebase, and Android Studio. Worked mainly on the algorithm aspect. Used Google Maps API to calculate the location of photo taken to compare with current location. Created custom accounts for users by using firebase to upload and retrieve data.

LA Hacks Unity Project

04/2016 – 04/2016

- Collaborated with a friend with the intent to create a video game project. Followed basic tutorials on Unity to piece together a small, simple game.

Personal Project: Chrome Extension for Yahoo Finance

12/2015 – 01/2016

- Attempted to use Yahoo Finance API to display a list of selected stocks on a pop-up script that can be easily accessible
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SKILLS

Experienced

- Java, HTML, CSS, Javascript

Familiar

- C++, C, Python, JQuery, AngularJS
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KEYWORDS

Technical

- SQL, MySQL, ARM, Linux, Windows, Android Studio, Web Development, Sorting Algorithm, Data Structure Implementation, Regular Expression, Eclipse, CLion, Adobe Lightroom, GIMP, Linear Programming, Object-Oriented Design, Agile, Mobile App Development, Front-End Engineering, Git, JIRA, Bitbucket, UML, Unit Testing