

Chi-Syuan Lu

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EDUCATION

University of Southern California (USC) – Los Angeles, CA, USA

Expected May 2019

Master of Science in Computer Science

Chung Yuan Christian University (CYCU) – Taoyuan, Taiwan

Sep. 2012 - Jun. 2016

Bachelor of Science in Information & Computer Engineering (ICE)

SKILLS

Programming Languages: Java, HTML/CSS, JavaScript, SQL, Swift, PHP, C/C++

Libraries/Frameworks/Tools: jQuery, Node, Angular, Bootstrap, Struts, Servlets, Git, AWS

EXPERIENCE

Software Engineering Intern

Jan. 2019 - present

Parallel Agile – Los Angeles, CA

- Collaborating with a team of 3 to develop a local-based advertisement publish web application using HTML/CSS, JavaScript, Node.js and MongoDB
- Fixing bugs from existing websites to improve functionality and maintaining 3 web servers hosted on AWS EC2

Software Development Intern

Aug. 2018 - Dec. 2018

USC Center for Systems and Software Engineering, – Los Angeles, CA

- Improved the CarmaCam iOS app performance and functionality by reducing video processing time by 52% (from 23 sec to 11 sec), fixing asynchronous programming issues and detecting memory leaks
- Improved the usability of the CarmaCam iOS app by implementing a new feature that provides users with 3 different mode recording-lengths, resulting in saving space by 10% for driving mode uploading

IT Intern

Feb. 2017 - Jul. 2017

DHL Express – Taipei, Taiwan

- Worked on the full stack (including frontend UI, backend and testing) of an e-invoice web-based system using HTML/CSS, JavaScript, Struts 2 and Servlets/JSP, serving tools for the internal DHL Taiwanese office employees
- Improved a daily invoice-upload program by rewriting the data comparison function using Java to filter data, leading to a 7% reduction of uploaded-data mistakes

Math Tutor

Sep. 2014 - Jun. 2015

Chung Yuan Christian University – Taoyuan, Taiwan

- Succeeded in conducting comprehensive test review sessions to raise student's grade from 73% to 85%
- Utilized graphic organizers to explain mathematical concepts to mentally disabled primary school students

Activity Director

Aug. 2014 - Jul. 2015

Chung Yuan Christian University, ICE Student Association – Taoyuan, Taiwan

- Led a team of 22 to organize the event of "*Information Engineering Night*" for 400+ CYCUICE students
- Collaborated with 60 staff members to prepare an orientation camp for 200+ students

PROJECTS

Travel and Entertainment Search Web Application

Mar. 2018

- Developed AJAX-based frontend with jQuery/Bootstrap and conducted client side validation with AngularJS
- Implemented website backend with Node.js to retrieve data from Google and Yelp APIs
- Designed RESTful APIs for transmitting query and deployed on AWS Elastic Beanstalk platform
- Built an iOS client application by Swift with CocoaPods libraries and Google Map iOS SDK

Alarm App

Apr. 2016

- Created an Android app in Java which allows users to turn off an alarm by shaking the phone
- Implemented calculated shaken times by using C language with Android NDK and JNI

Ogre3D Game Design

Sep. 2015

- Applied Pthreads and C++ Socket between 4 cellphones and a computer to build a multiplayer soccer game
- Conducted Ogre3D and Ogre Bullet physics engine to simulate collision detection and rigid-body dynamics