

Yijia Chang

323.740.2803

yijiacha@usc.edu

1168 W 35th St., Los Angeles, CA 90007

Education

University of Southern California, Los Angeles, CA

B.S. Computer Engineering & Computer Science

Aug 2013 - May 2017 GPA: 3.57

M.S Computer Science

Aug 2017 - May 2019 GPA: N/A

The University of Edinburgh, Edinburgh, Scotland

Sept 2015 - Dec 2015

Study Abroad Program (School of Informatics)

Technical Skills

- C/C++
 - Java
 - Verilog (FPGA Design)
 - Mobile Development (iOS, Android)
 - Web Development (HTML, JavaScript)
 - Database (Firebase API)
 - Python
 - C#
 - Lua
 - Prolog (SICStus)
 - Unity
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Work Experience

- **Web Programming Teacher, The Coding School - Los Angeles, CA** 2016 - present
Led lecture sessions for middle school students at Woodrow Wilson Middle School HTML and CSS
 - **Database Manager, Post Glover Resistors - Cincinnati, OH** Summer 2015
Developed and optimized database of the ERP system using MS SQL Server
 - **Chair of Event, IEEE @ USC - Los Angeles, CA** 2013 - 2014
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Projects

- **Project “Anchronize”**
Designed database structure and wrote backend infrastructure for an Android app that supports multi-user networking. Collaborated with team to create functionalities such as user registration, authentication, profile creation, chatting, interactive event posting on Google Map, etc.
 - **Project AT&T Hackathon LA**
Designed motion detection mechanism for a Pebble Time Round watch app that automatically selects music for the user based on the intensity of the exercise.
 - **“Asteroids” Arcade Game on FPGA**
Implemented the classic Asteroids arcade game on Xilinx FPGA board. Player can control a spaceship using a joystick. Asteroids are spawned randomly but more frequently as player gains higher scores.
 - **VR Conferencing Platform for Jet Propulsion Laboratory (In Development)**
Created an immersive cross-platform remote conferencing experience for JPL engineers to review engineering design using VR technology. Supports various communication/input features such as LeapMotion, highlighting and rotating parts and modules, etc.
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Awards

- **USC Programming Contest 2016 Fall Ranking: 30/75**
- **USC Academic Achievement Award**
- **USC Viterbi Dean’s List**