

I-Chun (Arthur) Liu

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EDUCATION

University of California, Los Angeles

Master of Science, Computer Science, GPA: 3.38/4.0, June 2016

- Coursework Includes: Web Applications; Computer Security; Computer Network; Protocol and Systems Design for Wireless Mobile Networks; Machine Learning Algorithms; Pattern Recognition and Machine Learning; Big Data Analytics

University of Wisconsin-Madison

Bachelor of Science, Computer Science, GPA: 3.68/4.0, CS GPA: 3.71/4.0, Dean's List, May 2014

- Coursework Includes: Operating Systems; Artificial Intelligence; Human-Computer Interaction; Linear Algebra; Database Management System; Data Structures; Theory of Computation; Compilers

PROJECT EXPERIENCES

Project 1: Place to Study - Independent Project, Los Angeles, CA

June 2016-Present

- Made a responsive design website for students to find nearby or distant study spots using JavaScript, HTML, CSS, and Firebase
- Developed a system for users to add new stores and a back-end system for administrators to approve and add users' submitted stores
- Implemented a system for adding and editing ratings and reviews
- Received 1150 unique visitors in June 2016
- Featured on Daily Bruin newspaper and UCLA Parents Facebook page

Project 2: Master's Capstone Project – Department of Computer Science, Los Angeles, CA

University of California, Los Angeles, July 2015-June 2016

- Created a web content management system for businesses to manage their store information and promotions using HTML, CSS, JavaScript, and Parse
- Built an iOS app for mobile users to view stores' information using Xcode, Swift, and Parse. The following mechanisms were implemented: user management system, recommendation system based on users' preferences, filters, push notifications, offline access, and users' favorite and saved stores/promotions
- Designed and programmed a feature that allowed mobile users to exchange their profiles with other users, overcoming mobile devices compatibility issues
- Promoted this platform and had 87 local stores signed up and created their store page
- Obtained a partnership with ComNet who supplied free calling cards and discount cards to help promote this platform

RESEARCH EXPERIENCES

Research Seminar: Computer Science – Department of Computer Science, Los Angeles, CA

University of California, Los Angeles, Oct 2014-Dec 2014

- Researched recent published papers on recommendation systems, focusing on the concept of interestingness
- Analyzed and compared algorithms in published research papers

SKILLS

Programming Languages:

- Proficient in Java, Swift, JavaScript, HTML/CSS
- Prior experience in C++, C

Languages: Mandarin Chinese (native), English (fluent)