

## **I-Chun (Arthur) Liu**

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### **EDUCATION**

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#### **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; Database Management System; Data Structures; Compilers; Theory of Computation

### **EXPERIENCE**

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#### **Firefox Debugger – Open Source Contributor on GitHub, Taipei, Taiwan**

Mozilla, November 2016-Present

- Developed an enhancement that allows tabs to persist when the debuggee or the debugger closes / opens, utilizing React.js library, Redux, and JavaScript
- Implemented "Reveal in Tree" feature allowing users to right click on a file tab to reveal its corresponding file in the sources tree
- Made over 25 contributions / commits which include bug fixes and features

#### **Foreign Language Specialist – Conscript, Taipei, Taiwan**

The National Development Council, August 2016-Present

- Translated documents of social /cultural development policies from and into Chinese and English

#### **Project 1: Place to Study – Independent Project, Los Angeles, CA**

June 2016-November 2016

- 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
- 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: recommendation system based on users' preferences, filters, push notifications, offline access, and users' favorite stores and promotions
- 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

### **SKILLS**

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#### **Programming Languages:**

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

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