

Chao Jiang

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EXPERIENCE

Centromere Inc., San Diego, CA, USA

- Software Development Intern Mar 2017 – Present
Intel SGX Web Attestation: Developed a web client to communicate with server side (running on ubuntu) and verify each identity.
 - Mentor: Dr. Feng Chen
 - As a sole developer for this project, I am not only learned how to program using specific language such as JS, how to exchange information between client and server; but also learned the way how to be a faster learner, how to solve problems independently. (Key word:) JS, PHP, Bootstrap/AJAX, Web Cryptography, CryptoJS-Extension(AES-CMA), cURL, Big/Little Endian, Multi-thread, Access-Control-Allow-Origin, JSONP, CORS

UCSD-DBMI, San Diego, CA, USA

- Programmer Analyst Aug 2016 – Feb 2017
iCONCUR: A novel web-based tiered informed consent management system. To improve accessibility to this system, we developed mobile iCONCUR application.
 - Mentor: Dr. Hyeoneui Kim
 - Project was built based on previous project **Uc Integrity**, The main challenge was how to adapted an external widget lib (check button) to fit in our project and upgraded it from Swift 2.3 to Swift 3.0. One paper titled “Honoring Patient’s Data Sharing Preferences: Implementation Challenges” and one poster titled “MALTASE: a Mobile AppLication To improve patients’ Access to their data Sharing preference” have been submitted to AMIA 2017.

UCSD-DBMI, San Diego, CA, USA

- Visiting Graduate Student Jan 2016 – Aug 2016
Master’s thesis-AGILE: Arbitrary Grid Logistic Regression using Intel Software Guard Extensions.
Count Everything: Integrating Clinical, Genomics, and mHealth APIs Across the BD2K Programs.
Uc Integrity: IOS Academic Integrity App development
 - Mentor: Dr. Shuang Wang, Dr. Xiaoqian Jiang
 - By involving into three project at the same time, It not only broaden my technology skills but also learned how to cooperate with others. Two papers with me as the first author and one paper as co-author have been submitted.
- iDASH Summer Intern Jun 2015 – Aug 2015
 - I went through collecting, cleaning, and analyzing data within 10-weeks. and our result was published on JAMIA.

SKILLS

C/C++, JAVA, Swift, PHP/MySQL, Python, JS, L^AT_EX

EDUCATION

University of Oklahoma, Tulsa, Oklahoma, USA

- M.S. in Electrical and Computer Engineering Aug 2014 – Aug 2016

Northwest A&F University, Yangling, Shaanxi, China

- B.S. in Software Engineering –rank 10/89 Sep 2010 – Jul 2014

PUBLICATIONS

JOURNALS

- [1] H. Shi, C. Jiang, W. Dai, X. Jiang, Y. Tang, L. Ohno-Machado, S. Wang., “Secure Multi-party Computation Grid LOGistic REGression (SMAC-GLORE),” *BMC Medical informatics and Decision Making*, vol. 16, no. 3, pp. 89, Jul 2016.
- [2] D. Han, S.Wang, C. Jiang, X. Jiang, H. Kim, J. Sun, L. Ohno-Machado, “Trends in biomedical informatics: Automated topic analysis of JAMIA articles,” *J Am Med Inform Assoc*, vol. 22, no. 6, pp. 1153–1163, Nov 2015.

AWARDS & SCHOLARSHIPS

- Excellent intern team award, Burton Vocational Training Schools, Xi’an, Shaanxi China Jun 2013
Selecting 3 teams from 10 teams
- Pivot of merit student, Second and Third Scholarship Northwest A&F University 2011 – 2013
- College Creative Experimental Plan Project, Northwest A&F University 2011 – 2012
selecting 9 teams from 50 applications.