

Bowen Tian

3321 Quartz Ln APT# E19, Fullerton, CA 92831

Email: taylortianbowen@gmail.com Personal Webpage: <http://www.bowentian.net>

Mobile: (714) 306-3807

EDUCATION

M.S. Computer Science

California State University, Fullerton – Fullerton, CA

Grad GPA: 3.7

Expected Graduation on May 2016

B.M. Electronic Commerce

Xi'An University of Posts & Telecommunications – Xi'An, Shaanxi, China

Graduated: May 2012

SKILLS

- Language: Python, C++, Java, PHP, C, NASM (ASM), Perl, JavaScript, Visual Basic, R, MATLAB, CSS, HTML5 and MYSQL.
- Development Experience:
 - **Cloud Foundry Development:** Experience of building & deploying Cloud Foundry Application with UAA on GE Predix Cloud Computing Platform.
 - **Hadoop System Development:** Experience of building Hadoop / Spark MapReduce Application as well as Hadoop system feature development.
 - **Model Design & Implement:** Experience of building multiple advanced mathematical models from sketch and implemented them into programs.
 - **MFC Development & Android Application Development:** Experience of building applications with user interface working on X86 platform and Android platform.
 - **2D Game Development:** Experience of using game engine building simple games targeting on multiple platforms.
 - **Network Programming:** Experience of socket programming.
 - **Web Development:** Experience of building database involved websites, includes online marketplace and student portal.
- Operating System: Linux, Windows, Mac OS

RESEARCH PROJECT

Team Member, GE Hackathon Cloud Computing Competition, CSUF team

February 2016 – Present

- **Skills:** Java, Python, MATLAB, JSON, PostgreSQL, UAA, Maven, Postman, Cloud Foundry, Predix
- Participating training sessions for GE Predix platform software development.
- Cooperating for implementing big data analytic service on Predix platform and competing with other schools' works.

Project Researcher, Popularity Aware Spatial Keyword Queries System

February 2016– Present

- **Skills:** Python, Spark, MapReduce, Data Structure, JSON, Algorithms
- Participating as a team member to design, and improve a spatial keyword query mechanism in a Spark-based system.
- Implementing data pre-processing, user query features in the system.
- Testing performance for the system in Spark.

Project Leader, A Secure File Allocation Mechanism in Heterogeneous Cloud System

August 2015 – Present

- **Skills:** Java, Python, Hadoop, Spark, Maven, HDFS, MapReduce, Algorithms
- Leading a team to design, and improve a HDFS block placement policy to adapt decision making strategy in Hadoop.
- Designing data analysis models to evaluate each node in system.
- Leading a team to test performance for new strategy by implementing test programs for Hadoop MapReduce and Spark.

PROFESSIONAL EXPERIENCE

Academic Research Assistant, Professor Dr. Yun Tian, CSUF

February 2015 – Present

- Organize and leading a team to complete academic research projects with Dr. Yun Tian in cloud computing lab.
- Participating in other research projects as a team member, and offering necessary support.
- Managing and maintaining the current Hadoop and Spark systems running in the lab, jobs include but not limited to write system report, create system bash script, fix system failures and bugs, adapt system new configurations, modify system source codes, etc.
- Participating in writing and publishing research paper to related conferences, journals and organizations.

Grader, Cloud Computing Class & Networking Class, Professor Dr. Yun Tian September 2015 – January 2016

- Graded students' assignments and exams. Including multiple choices, short answers, essays and reports.
- Gave feedback to students according to their mistakes and gaps.

Academic Research Group Cross Cloud Computing & Economy Research Fields

Internship Research Assistant for Dr. Zhengzhong Xu, Chinese Academy of Governance

August 2011 – August 2012

- Researched, organized and summarized academic materials from many resources about cloud computing.
- Participated in Ph.D. program discussions.
- Attended seminars about the combination of cloud computing technology and economy fields.

RELEVANT EXPERIENCE

Chinese Student and Scholar Association, CSU Fullerton.

Technical Support Group Leader

October 2013 – August 2014

- Led team designed, built and managed the official website and discuss forum for the association.
- Designed databases, created template with WordPress framework, programmed the website with team members using PHP, CSS, MySQL and JavaScript.
- Coordinated programming team with visual design team to complete the website.

OTHER PROJECTS

System Developer, Student Portal

August 2014 – December 2014

- **Skills: HTML, PHP, Bootstrap Web Development Framework, MySQL, XAMPP, OOP and MVC**
- Developed a student portal for teachers and students managing grade, homework and exams. It provided file storage for users and associated services to make a user friendly system.

Game Developer, Action Game for Education

January 2014 – May 2014

- **Skills: Game Maker Scripting Language, Game Maker Studio, OOP**
- Developed a 2D action game with basic physical rules involved for educating elementary students with mathematics. Targeted to web browser, iOS and Android platforms.

System Developer, Online Retail website

August 2013 – December 2013

- **Skills: HTML, PHP, JavaScript, MySQL, XAMPP, Agile, OOP and MVC**
- Developed an online shopping website for game rental business (Netflix like) to provide queue-based rental subscription service and manage the storage.

Web Developer, Online Retail website

January 2012 – May 2012

- **Skills: HTML, VBScript, JavaScript, Access, Microsoft IIS**
- Developed an online C2C marketplace for business (ebay.com like) to provide basic item listing and check-out feature.