

# Kuan Xing

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## SUMMARY

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- M.S graduate in Computer Engineering whose interest involves Web/Mobile Application development
- 2 semesters (8 months) internship as software developer with individual full-stack web project and system module integration team work accomplished
- Skillset : Linux/Windows, Java, C/C++, OpenGL, Python, HTML5, JavaScript, jQuery/jQueryMobile, Ajax, XML, JSON, BootStrap, NodeJS, CSS, PHP, AndroidSDK, LibGDX, SQL, Git, AMAZON-EC2, Apache, Spring, Hibernate

## EDUCATION

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- **Michigan Technological University** Sep 2011 ~ Dec 2013  
*M.S in Computer Engineering* MI, USA
- **Civil Aviation University of China** Sep 2003 ~ May 2007  
*Electronic Information Engineering* Tianjin, China

## EXPERIENCE

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- **SRS Pharmacy, Inc** Jan 2013 ~ Aug 2013  
*Software Developer Intern* MI, USA
  1. Developed patient signature conversion and exportation tool using C++, PostgreSQL, LibGD. This tool can fetch patient signature stroke data from database, generate graphic files with specific size and package them with CVS format summary table.
  2. Developed patient SMS informing GUI module using C++, PostgreSQL, wxWidgets. This tool provides user graphical interface to input SMS message for patient informing. It uses existing system interface to create/retrieve SMS history.
  3. Developed Online Grocery Store whole website using NodeJS ( ExpressJS, PG), HTML5, jQuery, CSS, PostgreSQL. This website implements Ajax and HTML5 front-end file processing feature to reduce back-end pressure and enhance user experience. The entire website includes Customer view and Admin view, which allows owner of the website to manage product and user info easily.
- **Air China Cargo Co., Ltd** Sep 2007 ~ May 2011  
*System Engineer* Beijing, China
  1. Setup Engineering Document management server using Apache, Python, HTML, JavaScript, CSS. This server uses Python script as CGI application to periodically scan Apache document directory and generate updated document category list for the convenient purpose of Engineering Retrieval. This project efficiently reduce working hour and cost for Document management comparing with traditional manually managing.
  2. Setup Engineering training server and took charge of video editing using MS IIS server and MediaEncoder.
  3. Developed Air-Ground data report parsing tool using Python. This project uses Python script to read in Air-Ground data report gateway interface and convert the raw data report into formatted report file and generate report file list by update time order.

## PROJECT

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- **Online Grocery Store** May 2013 ~ Aug 2013  
Full Ajax Online Store Website using NodeJS, jQuery, CSS, providing user/admin interface for management.  
**GIT: <https://github.com/kuanslove/OGS/tree/master/preview>**
- **Team Chrysler MindTrekker** Sep 2013 ~ Dec 2013  
A team work developed Android Tablet Driving Game for Chrysler MindTrekker program using Android Java SDK, LibGDX Physics Engine.  
**GIT: <https://github.com/kuanslove/TeamChrysler>**  
**GIT: <https://github.com/kuanslove/minigame>**
- **K.news** Dec 2013 ~ now  
K.news is SelfMedia project initiated by individual interest. It will implement both the back-end web service ( supplying news collections and managing news ) and front-end ( Android Mobile version and Desktop browser version ) to publish individual info updates.  
**GIT : <https://github.com/kuanslove/knews>**
- **Motion Chart Data Visualization** Oct 2012 ~ Nov 2012  
One coursework project to implement user interactive JavaScript Motion Chart using D3.js. It enables dynamically generating graphical elements on web page and manipulating according to user cursor movement.  
**GIT : <https://github.com/kuanslove/DVprj>**
- **OpenGL Interactive Scene** Oct 2011 ~ Nov 2011  
One coursework project to implement user interactive OpenGL scene. It renders 3D environment which responds to user operation such as key press and mouse gesture.  
**GIT : <https://github.com/kuanslove/CGprj>**