

# Yu Pan

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<http://impanyu.github.io/projectlist.html>

## SKILLS & QUALIFICATIONS

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- **Programming languages:** C/C++, Java/JEE, JavaScript/jQuery, HTML5, CSS, Linux Shell
- **Technologies:** Web service (SOAP/ RESTful), Servlet/JSP/JSF, AJAX, OO design, Responsive web design, JUnit
- **Operating Systems:** Linux, Windows, Mac
- **Algorithms:** BFS, DFS, DP, Divide & Conquer, Greedy, Binary Search, Backtracking, Sorting (several), KMP
- **Databases:** SQL (SQL Server, MySQL), ERD-Data models, Data Flow Diagrams

## EDUCATION

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|---|----------------|
| <b>Illinois Institute of Technology</b>                         | Chicago, IL    |
| • Master of Information Technology and Management GPA: 3.89/4.0 | 05/2015        |
| • Master of Science in Computer Science GPA: 3.63/4.0           | 05/2012        |
| <b>University of Electronic Science and Technology of China</b> | Chengdu, China |
| • Bachelor of Science in Computer Science GPA: 3.08/4.0         | 07/2008        |

## TECHNICAL PROJECTS

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- Independent Project: Space Demo**
  - Simulated the formation of a galaxy using HTML5 canvas
- Independent Project: Chat Room**
  - Implemented a chat room application based on node.js, socket.io, and express framework
- Independent Project: Tank Shooting Game**
  - Applied an online two-player tank shooting game using JavaScript, WebRTC, and HTML5
- Independent Project: Web Video Player**
  - Designed and implemented a YouTube-like web video player using JavaScript and jQuery
- Independent Project: Image and Video Viewer**
  - Created a Single Page Application (SPA) of a local image/video viewer
- Independent Project: Web Java/C++ Compilation System**
  - Accomplished a web compilation and execution system for Java and C++ using OpenShift PaaS, Tomcat 6, AJAX, JavaScript/jQuery, Servlet, Linux Shell command embedded in Java, and SSH/Git
- Class Project: Employee Management Website**
  - Worked on a team of 5 to design an employee management website using JSP/JSTL and MVC pattern
- Class Project: SOAP Web Service Demonstration Site**
  - Built a site calling five web services (SOAP) which in turn retrieve data in a MySQL database
- Class Project: Coffee Store Website**
  - Analysed business requirement, designed, and implemented a website for a coffee store

## EMPLOYMENT

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| <b>Teaching Assistant, Illinois Institute of Technology, Chicago, IL</b>                             | 08/2012 – 05/2013 |
| • Assisted in teaching Object Oriented Design and Programming (CS445) and Broadband Network (CS 548) |                   |
| <b>Associate Editor, Sichuan Institute of Computer Science, Chengdu, China</b>                       | 09/2008 – 04/2009 |
| • Gathered and processed Information by researching high-level magazines in relevant areas           |                   |
| • Worked closely with editor in chief in compiling, editing, and proofreading articles               |                   |
| <b>Website Developer Intern, High-Tech Zone Software Park, Chengdu, China</b>                        | 03/2006 – 04/2006 |
| • Developed a website using ASP.net, HTML, CSS, SQL Server   |                   |

## AWARDS

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| • Meritorious Winner in the Interdisciplinary Contest in Modeling (ICM)              | 2007 |
| • Second Prize in the National Mathematics Modeling Contest (Sichuan China division) | 2006 |