



Cai You

Front End Engineer

Make everyday count

Education

- 2011–2014 **Computer Technology**, *Master*, Institute of Network Technology, Beijing University of Posts and Telecommunications.
- 2007–2011 **Computer Science and Technology**, *Bachelor*, School of Computer, Beijing University of Posts and Telecommunications.

Master thesis

- Title *OPTIMIZATION OF INFORMATION COLLECTION SYSTEM FOR DYNAMIC WEB PAGES*
- Supervisors Liao Jianxin
- Description Designed a Web crawler for dynamic web page which is rich of Ajax, and the main method is using JavaScript analysis

Skills

- Front End HTML5, CSS3, JavaScript, jQuery, JSON, Bootstrap, Backbone.js, Angular.js
- Back End php, skilled at fleaPHP MVC Framework
- Algorithm Familiar with data structures such as Array, Linked list, Queue, Stack, Hash and Set
Familiar with Algorithms such as Binary Tree, Diagram, Sort, Dynamic Programming, Greedy Algorithm etc.
- Database Basic manipulation of SQL, mySql and phpMyAdmin
- OS Basic commands of Linux, skilled at developing in Linux
- Server Basic configurations of Nginx and php-fpm
- Develop phpStorm, secureCRT, FileZilla, VI, Sublime text, Git, SVN
- Others Photoshop, MS office, LATEX, Adobe Audition

Working Experience

2011–now **Front End Engineer**, *EBUPT Information Technology CO., LTD.*, Beijing.
Web application designing and developing with HTML, CSS, JavaScript and PHP.

- Commercial WiFi "Yue-BOX":
 - Introduction: Yue-BOX is a project combining hardware and software. The product is a intelligent box(router) aiming at industry users. The hardware part is a independently developed router, and the software part includes functions such as Account System, Device Management, Site Templates, Site Building, Site Push and Data Upload.
 - My work:
 - In charge of the development of Account System, Site Templates and Site Building etc., implementing with Bootstrap, HTML, CSS, PHP and mySql.
 - In charge of the development of APP Engines running in box-end. Product aspect: customized applications development(news, dish menu, sign in, draw etc.) for different using scenes(hotel, airport, restaurant); Technology aspect: responsive and mobile first design for different devices.
 - In charge of software platform upgrade and cutover. Using Gitlab for version control, grey release on multi-platforms; Using secureCRT for ssh connection and command execution; Using Schema Sync in Linux to generate database patch and revert SQLs.
- HTML5 game "GuanDan":
 - Introduction: A multi-player online poker game(similar to DouDiZhu and ShuangSheng) using HTML5, Backbone.js and the pushstream module of Nginx.
 - My work:
 - Mobile first and responsive design using HTML and CSS.
 - Work flow design with Backbone.js.
 - Algorithm implement of game rules with Underscore.js.
 - Using pushstream.js and Nginx configurations to implement the function of html message push(such as Long polling, Web Socket and so on) in order to simulate the instant communications in multi-player games.
- Self-help dish ordering system "HanDou":
 - Introduction: A self-help dish ordering system using Bootstrap 3, jQuery, Angular.js and PHP. And it implements server-side dish information entering and mobile-side user dish ordering.
 - My work:
 - Bootstrap 3 customization for a better style and responsive break point, and generate the CSS file for a better presentation of mobile access.
 - Write HTML templates for Angular.js.
 - Implement a part of the front end work flow with Angular.js.
 - JavaScript performance optimization.
- Hybrid APP "ZhaoWaiMai":
 - Introduction: A hybrid APP using HTML5, Zepto.js, Backbone.js, PHP and PhoneGap. It's easy to get the information and menus of nearby restaurants using GPS. It can be used for dish ordering and restaurant phone calling.
 - My work:
 - Static pages implement with HTML and CSS.
 - Interaction flow design and work flow implement with Backbone.js.
 - Fetch Data with Ajax and do CRUD operations through RESTful interface.

Languages

English **CET-6** *Have a good ability of listening, speaking, reading and writing. Skilled at using English for daily communications, technology documentations reading and general writing.*

Interests

Rock N' Roll Have been played Guitar for 11 years, and now on vocal and guitar of a heavy metal band. Have about 10 songs and also in charge of lyrics composition.