

# Liu Yang

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<http://liu946.github.io/>

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## EDUCATION

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**Harbin Institute of Technology ([HIT](#)), Harbin, China** 2013.9 - 2017.6

- Computer Science and Technology (CST)
- GPA 91.8 (Rank: 5/205)
- CET6

**Research Center for Social Computing and Information Retrieval ([HIT-SCIR](#))** 2015.11 -

- Text Mining Team

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## PROJECT EXPERIENCE

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**Vehicle Maintenance and Service System** 2014.11 - 2015.4

[LIHON Petrochemical Co.,Ltd. Daqing, China](#)

- In charge: Team leader, Core logic, Backend control panel
- Introduction: This system can comprehensive analysis of various circumstances and give a optimal distributing solution which is used for collecting goods vehicle maintenance information, posting maintenance requirements and managing to distribute them to service-provide car. The system also provides a platform for data searching, collection, processing and display.
- Keyword: O2O, MDM, GPS based Service, PHP, Android

**Social Public Opinion Mining and Analyzing System** 2015.5 - 2015.9

[Harbin Institute of Technology. Harbin, China](#)

- In charge: Team leader, Algorithm Analysis and Implementation
- Introduction: The system contents collecting data from public website (blog, weibo, baidu post bar), analysing and showing the result. The analysis includes user profile, degree of recent activity, interesting point and opinion leader effect of a circle of society, and more cause-and-effect analysis based on time will be included for further.
- Keyword: Data Mining, User Profile Analysis, Pattern Recognition, Statistical Decision

**Somatosensory 3D Music Video Game ([LMix](#))** 2015.4 - 2015.6

[Leap Motion 2015 Online Development Contest](#)

- In charge: Audio, CG and algorithm Technical Support
- Introduction: This music video game (MUG) is based on the new somatosensory device Leap Motion, the game provide a 3d space for player to control virtual hands to reach the following keys, match the gesture or scroll roundabout. Finally our game give us 2<sup>nd</sup> price in the contest.
- Keyword: Somatosensory, MUG, Leap Motion, Unity3d, C#

**Social Community based on Photos ([Shiyi](#))** 2015.10 - 2015.2

### [Itimepost Co.,Ltd. Harbin, China](#)

- In charge: NodeJs rear-end developing, configuring and integration of Nginx, Redis and third part services
- Introduction: This is an entrepreneurial project. Our team is going to build a social circle base on photos and use it to collect images and data from users. We want to get profit from the relations between users, which lead them to pay for special memories (like an autograph book) on the moment they share.
- Keyword: NodeJs, koa, Redis, Nginx, SNS, Photo socialization

### **Photo Beautify and Storage System ([Photo Theater](#))**

2015.9 - 2015.10

- In charge: Team leader, project framework construction, for-end and server development
- Introduction: The provide service on which users can upload and manage their photos information including location, description, tags, motions, timing, etc. You can use it as your personal album and manage photos by whatever ways while beautify them at the same time. As for it's convenience in adding filter on photos, I also use it as an Image Hosting for some of my websites cause.
- Keyword: Python, Django, LBS, Photo beautification

### **3D Printing Coloring System**

2015.6 -

- In charge: superior machine software and cloud printing and monitoring system develop
- Introduction: This is the research to colour the mesh while doing 3D printing. Based on the existing system of 3D printing solutions, we added the coloring process in the printing process and designed it's equipment. By now, the structure prototype has been completed, and we are on printing command compiling, upper and lower machine debugging, later we will build cloud platform based on it.
- Keyword: 3D Printing, Coloring, Cura, C/C++

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## **TECHNICAL SKILL**

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- Web front-end language and technique. (HTML, CSS, JS)
- NodeJs and PHP rear-end development
- Linux, Apache, MySQL, Redis, Nginx
- JavaScript, PHP, C/C++, Python, Matlab
- Instite on Airbnb JS code style (use jscs)
- Webstorm, PHPstorm, Xcode, MS VS, Git,

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## **AWARDS AND ACKNOWLEDGEMENTS**

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- Served as founder and president of CSDN Club, School of Computer Science and Technology, HIT
- Served as President of Network Information Department in Youth League Committee, School of Computer Science and Technology, HIT
- [Leap Motion 2015 Online Development Contest Second Price](#)