

Tzu-Heng Lin (Brian) Maker, Hacker, *Creativity drives my life.*

Website : <http://lzhbrian.me>

Born in *Taiwan*, Grown up in *Shanghai*, now Studying in *Beijing* (will graduate in 2018) Email : lzhbrian@gmail.com
Currently : Junior student in *Dept.of Electronic Engineering, Tsinghua University* Mobile : +86-131-2192-9165
Objective : *Seeking Summer Internship in 2017* [\[Linkedin\]](#) [\[Github\]](#)

EDUCATION

Tsinghua University (Dual Degree)

Beijing, China

- *Bachelor of Science in Electronic Information GPA: 84/100*
Bachelor of Business Administration in Management (2nd Degree) GPA: 87/100

Aug 2014 - June 2018

TECHNOLOGY SKILLS

- **Languages:** Python, C/C++, Matlab, R
- **Tools:** Git, Hadoop, CUDA, Weka, MySQL, Tableau
- **Experienced in:** Big Data Analytics, Software Engineering, Playing around new Tools and Toys, Leadership

EXPERIENCE & PROJECTS

Owlii [\[link\]](#)

Beijing, China

• *Software Engineer Intern*

Mar 2016 - Present (1 mo)

- **CUDA GPU Parallel Programming**
 - Implement and accelerate algorithms with CUDA.

• Tsinghua University [\[link\]](#)

Beijing, China

• *Research Assistant in Future Communication & Internet Lab*

Apr 2016 - Present (11 mo)

- **Online Video Consumption Behaviors Analysis** (Finished, Paper submitted)
 - Mining a TB-scale, 2-Month, 10-Million-User dataset from an ISP including viewing records of most main Video Content Providers. Studied the migratory behaviors of users, found potential migratory reasons.
 - Responsible for all of the data processing and analysis work.
 - Written hundreds of Hadoop MapReduce programs in Java and also used Python to process the data.
 - Analyzed and Visualized the data using Matlab and R.
- **Online Shopping Behaviors Analysis** (Finished, Paper submitted)
 - Mining a 30-Day, Million-User-scale dataset of JD online shopping viewing log.
 - Discovered unique user behaviors when browsing.
 - Responsible for most of the data processing and analysis work. (Same as the previous Project)

• Academia Sinica [\[link\]](#)

Taipei, Taiwan

• *Summer Research Internship in Data Insights Research Lab*

Jul 2016 - Aug 2016 (2 mo)

- **Data Mining in Facebook Fan Pages:**
 - Academia Sinica is the Top National Academy of Taiwan.
 - Research in a dataset with more than 200,000 Facebook Fan Pages, 28 million posts with like records in Taiwan.
 - Found patterns in posts and real categories of pages.
 - Skills including *Statistics, Machine Learning, Text Mining, Time Series Analysis*.

• Student Association of Science and Technology, EE, THU [\[link\]](#) [\[github\]](#)

Beijing, China

• *Leader of Web Development, Tsinghua Teamstyle Programming Competition*

Jul 2015 - May 2016 (9 mo)

- **Web Development: [\[github repo\]](#)**
 - Led the Web Development Team of *Tsinghua Teamstyle Programming Competition 2016*.
 - Built the backend using *Yii framework* (PHP, MVC).
 - Designed and Built most data structures using *MySQL, phpMyAdmin*.
 - Co-work, version control using *Git*.

• THU MakerSpace [\[link\]](#)

Beijing, China

• *Vice President, 2 years experience in maker field*

Sep 2015 - Feb 2017 (1.5 yrs)

- **Maker Events and Competitions held weekly:**
 - THU MakerSpace is one of the greatest Maker Spaces in China.
 - We have received letters from Premier Keqiang Li. [\[press\]](#)
 - Led the work of the *Project Dept*, the *Public Relation Dept.* & the *Standing Dept.*
 - Responsible for the Maker Events and Competitions held weekly
 - Such as *Arduino Tutorial, Processing, 3D modeling, Design thinking* and *Brain Storming Workshops*, etc.
 - Directed several projects, and also Winners of many Make-a-thons.

PROJECTS IN COMPETITIONS AND AWARDS

- **PennyRaiser: A smart donation box** [\[press\]](#) [\[press\]](#) *Apr 2015 - Sep 2015 (3 day; 6 mo)*
 - **Tsinghua Maker Challenge 2015: Championship**
 - **China-US Maker Competition 2015: 3rd Prize, Top 5/300 maker teams from the world**
 - *China-US Maker Competition is the biggest Make-a-thon in China & US.* [\[link\]](#)
 - Role: **Team Leader** & **Software Eng.**, won the 5th place out of 300 teams all over the world in 2015.
 - Led & organized the team. Started the project.
 - *iOS app development using Swift with Xcode.*
 - Built features include *TableView, SideMenu, Customized Tab Button, Customized Segue Effect, QRCode.*
 - *Design, 3D modeling, 3D printing and Laser cutting to build to whole prototype.*
- **ITE: Your personal 'kids-can-program' phone companion** [\[post\]](#) *May 2016 - May 2016 (3 day)*
 - **Tsinghua Maker Challenge 2016: Championship**
 - *Tsinghua Maker Challenge is the biggest Make-a-thon held in Tsinghua.*
 - Role: **Team Leader** & **Software Eng.**, won the Championship in 2016.
 - Led & organized the team. Started the project.
 - *iOS app development using Swift with Xcode.*
 - Built features include *TableView present, Customized Tab Button, Customized Segue Effect.*
 - Integrated open-sourced-project using *CocoaPods*
- **A gameAI for Tsinghua Teamstyle Programming Contest 2015** *Apr 2015 - May 2015 (1 mo)*
 - **Tsinghua Teamstyle Programming Contest 2015: 3rd Prize**
 - *Tsinghua Teamstyle Programming Contest is one of the biggest programming competitions in Tsinghua.*
 - Role: **Team Leader**, won the 3rd Prize in 2015.
 - Led the team.
 - Developed strategies and implemented using C++. Wrote AI to run a MOBA-style game.

SELECTED HONORS

- **Maker Representative** , Tsinghua University [\[picture\]](#)
 - Honored this title by the contributions & achievements in the maker field.*
- **Member of the Qi Chuang Student Entrepreneurial Talent Training Program** , Tsinghua University
 - An official program of Tsinghua aimed to cultivate talents in the field of Innovation and Entrepreneurship.*
 - Only 30 people are selected to this program.*
- **1st Prize Scholarship for Taiwanese Student** , Minister of Education, P.R.C.
 - Top 3/50, Awarded 1st prize scholarship honor for Taiwanese students studying in Mainland China.*
- **Zheng Geru Scholarship for Comprehensive Performance** , Tsinghua University
 - Top 35/260, for students who have achieved multiple individual scholarships.*
 - Including excellence scholarships for: Science and Technology, Social Work, Arts and Cultural, respectively.*

PUBLICATIONS

- H.Yan, **TH.Lin**, G.Wang, Y.Li, H.Zheng, D.Jin, and B.Zhao, A First Look at User Switching Behaviors Over Multiple Video Content Providers. **In AAAI ICWSM '17**
- H.Yan, **TH.Lin**, G.Wang, Y.Li, H.Zheng, D.Jin, and B.Zhao, On Migratory Behavior in Video Consumption, *Conference Paper Submitted.*
- H.Yan, **TH.Lin**, C.Gao, Y.Li, and D.Jin, On the Understanding of User Behaviors Over Multiple Video Content Providers, *Journal Paper Submitted.*
- H.Yan, Z.Wang, **TH.Lin**, Y.Li, Y.Wang, and D.Jin, Profiling Users by Online Shopping Behaviors, *Conference Poster Paper Submitted.*