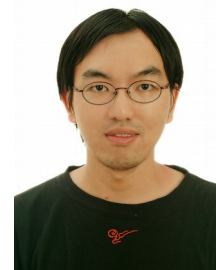


# Lo-Hao Hsu

許洛豪



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## + CONTACT

Email   ✉ brianhsu.hsu@gmail.com  
Nationality   Taiwan, R.O.C.

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## + Website / CODES / SLIDES / LinkedIn

Website   <https://brianhsu.moe/en/>  
GitHub   <https://github.com/brianhsu>  
SpeakerDeck   <https://speakerdeck.com/brianhsu>  
LinkedIn   <https://www.linkedin.com/in/brianhsu>

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## + EXPERIENCES

**Senior Engineer**   Design / develop and maintain RESTful API Server for rePaas Bookfast  
NewPOS TECH. CORP   service, a online-booking SaaS system targeting Yoga club or sport center.

- Java / Play Framework as web server
- MySQL / Redis as data storage
- AWS as operation platform

Develop and maintain a desktop application that import data from multi-worksheet Excel file to rePaas Bookfast booking system.

- Scala / Swing

Support development of middle-ware of garage door monitoring device.

- Java / Play Framework
- Netty

*July 2016 - July 2018*

**Senior Engineer**   Develop an automatic life testing machine for electrolytic capacitor  
Zhenhai Information   - STM32F429 / 8051 firmware development  
Technology   - Scala for testing flow control daemon  
- Scala / SWT for GUI application on Linux box.

Develop web-based productivity analysing system of electrolytic capacitor factory

- Scala for backend
- The Lift Web Framework for web application
- MongoDB for database.

System administrator of Linux-based web server.

*September 2014 - June 2016*

**Research Assiatant**

Institute of Information  
Science, Academia  
Sinica

Develop digital archive website. Both front-end and back-end.  
Develop data-exchange software using Java / XML / Oracle Database.  
Develop software for internal use.

*July 2010 - August 2014*

**Software Engineer**

Compal  
Communications Inc.  
(Taiwan)

Develop battery Linux kernel driver for Android-based mobile phone

*December 2009 - July 2010*

+ TALKS

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- 2013-04-19 **How I Fall in Love with Non-MVC Web Application Framework.**  
*Open Source Developer Conference Taiwan 2013 (2013-04-19)*
- 2011-07-29 **How to integrate Scala to Java Application.**  
*JavaTwo 2011*
- 2010-08-15 **ScalaTest - Introduction to Unit testing and BDD.**  
*Conference for Open Source Coders, Users and Promoters (2010-08-15)*
- 2010-07-31 **Introduction to Scala.**  
*Taiwan Java User Group (2010-07-31)*
- 2010-04-25 **Programming Android Application in Scala.**  
*Open Source Developer Conference Taiwan 2010 (2010-04-25)*

## + ANDROID PROJECTS

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**MaidroidPlurk** MaidroidPlurk is an Android application is a Plurk (a micro blogging platform which is popular at Taiwan) client, focus on cute user interface.

<https://play.google.com/store/apps/details?id=idv.brianhsu.maidroid.plurk>  
<https://github.com/brianhsu/MaidroidPlurk>

**FindLost** An open-data demonstration android application, by using open data provided by Taiwan government, it could list and search lost & found items registered at police station.

<https://play.google.com/store/apps/details?id=org.bone.findlost>  
<https://github.com/brianhsu/FindLost>

## + WEB APPLICATION PROJECTS

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**TravelLog** TravelLog is a blogging system designed for traveler using photo-centric approach. User could upload thier photos to public photo hosting service like ImgUr / Flickr / PicasaWeb, then using TravelLog to write thier travel notes.

<https://travellog.brianhsu.moe/>  
<https://github.com/brianhsu/TravelLog>

**BeDone** BeDone is a TODO management web application that follows the Getting Things Done approach, implemented in Scala / The Lift Web Framework.

<https://bedone.brianhsu.moe/>  
<https://github.com/brianhsu/BeDone>

**Backstab on Plurk** Backstab on Plurk is a website that let you post your Plurk by not only choose who can see your post, but also explicitly excluded those user you don't want them to see your Plurk. Implemented by using Scala / The Lift Web Framework / SOPlurk.

<https://backstab.brianhsu.moe/>  
<https://github.com/brianhsu/Backstab>

## + LIBRARY PROJECT

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**SOPlurk** SOPlurk is an Scala binding for Plurk API 2.0.

SOPlurk provides a nice and type-safe API to access the Plurk API 2.0, it's very easy to use but also type-safe due to the power Scala has.

<https://github.com/brianhsu/SOPlurk>

## + DESKTOP APPLICATION PROJECT

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IRCBalloon    IRCBalloon is a IRC / Twitch chat room notification application, it could fetch the dialog in chatroom and display it using either a pinned chat window or a bubble pop up notification.

Since Twitch uses IRC protocol, this could be also used on any IRC chatroom.

<https://github.com/brianhsu/IRCBalloon>

#### + EDUCATION

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2006 - 2008    **Master of Business. Information Management.**

National Chi Nan University, Taiwan.

No.1, University Rd, Puli, Nantou County, 54561 Taiwan ( R.O.C. )

2002 - 2006    **Bachelor of Business. Information Management.**

National Chi Nan University, Taiwan

No.1, University Rd, Puli, Nantou County, 54561 Taiwan ( R.O.C. )

Orientations    Computer Science / Semantic Web

#### + IT PROFESSIONAL SKILLS

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Operating systems    Windows / Linux

Programming Language    C / Java / Scala

Web Application Related    HTML / jQuery / CSS / SQL / XML

#### + PROFESSIONAL HIGHLIGHTS

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Passioned on programming, wanted to be a programmer since primary school.

Four years experience on programming job using C / Java / Scala, but also comfortable working with scripting / dynamic typing language. Besides daily work, interested in writing software (including desktop application / web application / Android app) for personal use and submit talks to open source conference in free time.

During the time employed by Academia Sinica, re-implemented the data exchange software to import large XML dataset to Taiwan's largest digital archives website during last job, which has fixed a lot of bugs presented in old version and reduce lines of code to two-thirds.

Implemented a web-based application that receive huge data set (about 1 millions records per day) from machines in factory, and use these information to visualize the productivity by using NoSQL / Scala / Lift and SemanticUI, including setup and administrate Linux-based web server.

Besides web application, also developed softwares for a automatic testing machine for capacitor lifetime QA testing, including STM32F429 / 8051 firmware, testing control daemon, and Linux desktop application for monitor the testing process and result when I was employed by Zhenhai.

After employed by NewPos, was assigned to design the architecture of RESTful API, and implemented it with Java / Play Framework / MySQL / Redis...etc. The API server served as foundation of an online-booking SaaS system, targeting Yoga-club or sport centers.