

# Resumé

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Tech blog: <http://swem.logdown.com>

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## Work Experience

**Product Developer**, Synology Inc., Apr. 2014 - current

- Develop DiskStation Manager including user interface, Web API and SDK functions.
- Survey new features and maintain existing software packages.
- Write internal tech documents and Provide technique support to customers.

**Stuff**, COSCUP team, 2014 - present

- Help organize COSCUP, one of the largest Open Source Software conference in Taiwan.

**Contributor**, g0v community, 2013 - current

- Contribute in several software projects in g0v community which devote to embrace information transparency.

**Software Engineer**, Micro-Star International Co., Ltd (MSI), Nov. 2010 - Sep. 2013

- Build software architecture for high-end vacuum robot. Design algorithms to made consumer vacuum robot being capable of localizing and navigating in indoor environment.
- Implement customized Robot software and Human-Robot Interface on linux-based embedded platform.
- Inventing cross-platform software suite for autonomous robot field tests and Improve product reliability.
- Introduce tools including Git version control flow, project management with Redmine to our team, which helps team communication and progress tracking. Also host seminars in department to encourage everyone learn new technique and share knowledge with each other.

## Education

National Taiwan University, Taipei, Taiwan,

- M. S., Computer Science and Information Engineering, Aug 2008 - July 2010

National Taiwan University, Taipei, Taiwan

- B. S., Mathematics, Aug 2004 - July 2008
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## Skills

**System Programming** : Software implementation with solid coding skills on C/C++. System analysis and debugging with open-source tools such as GNU debugger, Valgrind(Find memory Leaks) and strace(Trace system call & IPC & network)

**Web Engineering**: Web service bootstrap with Rails + Heroku + Amazon Web Services. Basic knowledge on web load-balancing and scaling.

**Language** : English: Full professional proficiency, TOEIC 945

## Publication

**Chen-Han Hsiao** and Chieh-Chih Wang, Achieving undelayed initialization in monocular SLAM with generalized objects using velocity estimate-based classification, Robotics and Automation (ICRA), 2011 IEEE International Conference on , vol., no., pp.4060,4066, 9-13 May 2011.

## Project

**TED Open Translation Project**. 2012-present

- Translate about 20 video subtitles from English to Chinese. Completed translation: <http://www.ted.com/profiles/1352721/translations>

**Hangouts Clock!**

- A open source extension for Google Hangouts. Let user add timer on live stream when broadcasting on Google Hangouts. <http://swem.github.io/hangouts-clock/>

**Facebook Hacker Cup 2014**: Rank 827

- International programming competition hosted and administered by Facebook.

## Interests and Continued learning

Robotics, Machine Learning, Open Data, Open Source, Computer Security

Startup Engineering, Functional Programming Principles in Scala @Coursera, Software as a Service @edX, MongoDB M101 @MongoDB University, 20+ courses completed @CodeSchool

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Resume: <http://swem.github.io/resume> [PDF]

中文履歷: [http://swem.github.io/resume/resume-zh\\_tw.html](http://swem.github.io/resume/resume-zh_tw.html) [PDF]