Resumé

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

Work Experience

Product Developer, Synology Inc., Apr. 2014 - current
- Develop Network Attached Storage operating system and release major update pack on a regular basis, twice a year. Implement interactive web-based user interface, Web API and SDK functions. Increase usability for customers to access and share documents.
- Port and maintain software packages under Synology package framework and apply security patches to increase system stability.
- Write internal tech documents and Provide technique support to customers.

Stuff, COSCUP team, 2014 - present
- Help organize COSCUP, one of the largest Open Souce Software conference in Taiwan.

Contributor, g0v community, 2013 - current
- Contribute in 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 and fine-tune algorithms to made consumer-level vacuum robot being capable of localizing and navigating .
- Implement customized Robot software and Human-Robot Interface on linux-based embedded platform. Also, 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.

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

Skills

System Programming : Software implementation with solid coding skills on C/C++. System diagnosis and debugging with varius open-source tools such as GNU debugger, Valgrind and strace.

Web Engineering: Web service bootstrap with Rails + Heroku + Amazon Web Services.

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 , 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 algorithmic programming competition hosted 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