Hsiang-Jui (Jerry) Lin

Read the résumé in <u>PDF</u> (http://wtf.csie.org/resume/resume.pdf), <u>HTML</u> (http://wtf.csie.org/resume/resume.html), or <u>AsciiDoc source code</u> (http://wtf.csie.org/resume/resume.adoc).

Personal Information

- **Name**: 林祥瑞, Hsiang-Jui Lin (formal), or Jerry Lin (informal)
- **Phone**: +866 933 652 112
- **Mail**: jerry73204@{**gmail.com**, hotmail.com, 163.com, yahoo.com.tw}
- **Facebook**: <u>profile</u> (https://www.facebook.com/xiangrui.lin)
- **LinkedIn**: <u>profile</u> (https://www.linkedin.com/in/jerry-lin-97733463)
- **Military service**: completed in 2017

Education

Bachelor's degree (2012 - 2016)

- **School**: National Taiwan University (NTU), Taipei, Taiwan (R.O.C.)
- **Major** Computer science and information engineering

Master's degree (2017 - present)

- **School** National Taiwan University (NTU), Taipei, Taiwan (R.O.C.)
- **Major**: Computer science and information engineering
- **Status**: currently a student in <u>NEWSLAB</u> (http://newslabx.csie.ntu.edu.tw/). My instructor is <u>Chi-Sheng Shih (施吉昇)</u> (https://drchishengshihswebsite.wordpress.com/)
- Notice: Enrollment is finished in 2016. My studies starts in 2017 due to military service.

Honors & Awards

Second place in *104 年金盾獎* (2015)

- **Reference**: <u>行政院國家資通安全會報</u> (https://www.nicst.ey.gov.tw/News_Content4.aspx?n=11EC3BA2351F93AA&sms=4D833E26864BB926&s=60F37FB45AC653BD)

潛力無窮獎 in *102 年金盾獎* (2013)

- **Reference**: <u>Web archive for official site</u> (https://web.archive.org/web/20140321005458/http://security.cisanet.org.tw:80/?i=3&mc=302)

Experience

CAVEDU (2010 - present)

- **Position**: part-time engineer, book author
- **Works**: AppInventor project, The book for LeJOS
- **Place**: Wanhua, Taipei City (臺北市萬華)

Institute for the Blind of Taiwan aka. 臺灣盲人重建院 (2016 - 2017)

- **Position**: 1-year substitute military service
- **Works**: general affairs, network and equipment management
- **Place**: Xinzhuang, New Taipei City (新北市新莊)

Teacher assistant for *system programming* class in NTU (2017 fall)

- **Position**: a paid teacher assistant
- **Works**: System programming is a required course in CS department of NTU.
- **Place**: Da'an, Taipei City (臺北市大安)
- **Reference**: <u>Official site</u> (https://systemprogrammingatntu.github.io/)

Microsoft Taiwan intern (2018 June - 2019 June)

- **Position**: RDI
- **Works**: AI and Bing map related

- **Place**: Microsoft Taiwan

Publications & Contributions

MIT AppInventor project (2016 - 2018)

- Pull request (https://github.com/mit-cml/appinventor-sources/pull/729) for LEGO EV3 support

- Pull request (https://github.com/mit-cml/appinventor-extensions/pull/12) for MediaTek MT7697 support

Undergraduate study on graph theory (2016)

- The study focuses on total and paired domination problems on distance-hereditary graph. We discovered an alternative optimal solution to total domination based on split decomposition.

- You may refer to the handout (https://drive.google.com/file/d/18H1fvSZ7td3vArSJaeoTKkLjJ-DqApaP/view?usp=sharing).

Book author of 機器人程式設計與實作：使用*Java* (2013)

- ISBN: 9789862768228 (http://isbn.ncl.edu.tw/NCL_ISBNNet/main_DisplayRecord.php?PHPSESSID=c8kchinqo5ncq873i47c4sqkb0&Pact=Display&Pstart=1)

- A book introduces leJOS (http://www.lejos.org/) framework on LEGO NXT robots.

Contributor of Chinese Wikipedia (2010 - present)

Checkout my user page (https://zh.wikipedia.org/wiki/User:Jerry73204) on Wikipedia.

Contributor of AUR (2014 - present)

AUR (https://aur.archlinux.org/) is a community-driven repository for Arch Linux users. I maintain the packages in the list (https://aur.archlinux.org/packages/?K=jerry73204&SeB=m) on AUR.

TorFS: Abusing Tor's Onion service to store data

- Intro: It was my side-project when studying master degree. Our team exploited free storage from Tor's Onion service, which is not intended for that purpose. We successfully built a virtual file system that stores data blocks into RSA public keys, and distributed them to the rest of Onoin network.

- Repository: https://github.com/jerry73204/cns-final-tor-store (https://github.com/jerry73204/cns-final-tor-store)

Ability & Skills

C/C++

You may check my submissions on Codeforces (http://codeforces.com/submissions/jerry73204).

Java

I'm the book author of 機器人程式設計與實作：使用*Java*, a Java based project, and had some experience on Android programming.

Linux & shell script

I host an Arch Linux server and BIND server for domain wtf.csie.org (no websites available).

Linux System programming

I was a TA for system programming course.

Web languages (HTML, CSS, JavaScript), Markdown, AsciiDoc, and other markup languages

This résumé is written in AsciiDoc.

Some ARM and x86 assembly

This is a required skill for 金盾獎 contest.