Chiayo Lin

PAGE git.io/lin#
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EDUCATION

University of Maryland, College Park — University
AUGUST 2018 - PRESENT

Saigon South Int'l School, Vietnam — High School
AUGUST 2014 - MAY 2018

Homeschool, Taiwan — Experimental Education
JUNE 2012 - AUGUST 2014

SELF-COMPLETED COURSES

MIT 6002, MIT 6001 (SICP), MITx 6.002.1x, MITx 6.00.2x, MITx 6.00.1x, Cryptography I, and TECS.

EXPERIENCE

UMIACS — System Administrator
SEPTEMBER 2018 - PRESENT

Worked part-time as a technical staff at the University of Maryland Institute for Advanced Computer Studies.

Software Development — Programmer
AUGUST 2013 - PRESENT

Contributed to open source and program a variety of software projects: <https://github.com/chiayolin>.

Hearing Vietnam — Co-Founder / Tech Director
AUGUST 2016 - PRESENT

Raised $5000 in 1 year. Donated, and trained hearing-impaired students in Ho Chi Minh City.

RMIT Tech Genius, HopHacks — Leader, Participant
JUNE 2016-NOVEMBER 2017, SEPTEMBER 2018

1. Designed and wrote code for a self-navigating drone prototype. 2. Participated at the JHU Hackathon.

SSIS Chess Tournament — Co-Organizer
NOVEMBER 2017 - MAY 2018

Co-organized Swiss chess tournaments through developing computational solutions to pair players.

SKILLS

INDUSTRIAL SKILLS: POSIX CL tool design, web app development, Linux system administration, and Git.

LANGUAGES: Proficient in C, Python, LISP, and shell scripting. Basic ability in HTML/ CSS, Javascript, Java, and NLTK.

LANGUAGES

Listening, speaking, reading, and writing proficiency in Taiwanese, Taiwanese Chinese, and English.

AWARDS

OUTSTANDING ACHIEVEMENT, PHOENIX AWARD in Science, SSIS '15-18, AP SCHOLAR W/ HONOR CollegeB., '18.

Eternal Prowess Co., Ltd. — IT Intern / Consultant
JUNE 2015 - JANUARY 2017

Worked as an ERP consultant, trained ITs at the company on Linux system administration.

Teaching Experience — Private Tutor
NOVEMBER 2016 - MAY 2017

Assisted students on computing. Charged $20-25 per hour and free for students who cannot afford.

School System Security Vulnerabilities — White Hat
MARCH 2016 - NOVEMBER 2017

Discovered vulnerabilities: <https://goo.gl/jzajMG>, <https://goo.gl/uTgU5q>, <https://goo.gl/viJYqZ>

Learning2 Asia Conference — Speaker
SEPTEMBER 2016 - SEPTEMBER 2016

Spoke and hosted a workshop about why computer science is essential to human development.

SSIS Computer Science Club — Founder / Organizer
AUGUST 2015 - DECEMBER 2015

A student-led organization, the primary purpose was to conjure the spirits that live in a computer.

PROJECTS

CyLISP — 2017
A minimalistic Scheme-inspired LISP machine: <https://github.com/chiayolin/cylisp>.

3l34n0r — 2017
A bot-like personal assistant, attempt AI via NLP: <https://github.com/chiayolin/3l34n0r>.

pytelegram — 2017
A minimalistic Python framework for Telegram: <https://github.com/chiayolin/pytelegram>.

Destination Moon — 2016
Engineering Project for a high school physics class: <http://chiayolin.org/physics_mccc/>.

chiayolin.org, hearingvietnam.org — 2013-18, '16-18
1. Blog, auto-generated with Python. 2. Official page of Hearing Vietnam, auto-generated with node.js

Programmable Bluetooth Powerstrip — 2014
<https://photos.app.goo.gl/EgYSeRquT4fXdymJ2>, <https://photos.app.goo.gl/hJamsyzk1XH5NzlN2>.

4-bit Binary Adder — 2013
Implemented using BC547 and 4001 (photo left): <https://photos.app.goo.gl/hJamsyzk1XH5NzlN2>.

nbc — 2014, 2015
UNIX utility for converting different number bases: <https://github.com/chiayolin/nbc>.