

## WEBSITE

mlai.us

## GITHUB

marialai

## EMAIL & PHONE

lai01@college.harvard.edu

+1(515) 779 - 9893

# Maria Lai

Harvard College

Cambridge, MA

Relevant Coursework: Abstraction & Design in Computation, Interactive Visualization

Herbert Hoover High School

Des Moines, IA

Graduation Class: 2017

Computer Science & Neurobiology

Graduation Class: 2013

Ranked 1 of 280

## EXPERIENCE

SOFTWARE ENGINEERING INTERN

Vetterly

Jun. 2016 - Aug. 2016

Maintained and enhanced codebase by writing patches to bugs and extending features. Collaborated with other engineers on large projects such revamping the admin view of the candidate profile. Worked with CakePHP, Angular.js, SQL, jQuery, Jasmine, Protractor, Git.

PROGRAMMING CO-DIRECTOR

SIETPSI International Exchange  
Program for Social Innovation

Sept. 2014 - Jan. 2015

Coordinated all aspects of the programming of the 5-day program for 27 participants (Harvard + international students): set the theme, developed the schedule, invited and coordinated 25 speakers and workshop leaders, created the programming booklet, supervised on-day operations.

TERM-TIME PROJECTS DIRECTOR

Harvard Developers for  
Development

Feb. 2014 - Dec. 2014

Coordinated all aspects of 11 semester-long tech project collaborations between Harvard students and social impact organizations, such as Peace Corps, Partners in Health, and CrisisMappers, including building relationships with nonprofits, recruiting students to work on projects, and project management. Spring '14: 4 teams, 15 fellows. Fall '14: 7 teams, 27 fellows, 15 mentors & partners. Organized a projects showcase at the end of each term.

## PROJECTS

MINI ML INTERPRETER

Functional Programming

Created lexically and dynamically scoped interpreters using OCaml that can interpret abstract syntax trees into operations.

AMERICAN TIME USE

Interactive D3 Visualizations

Created interactive data visualizations of how Americans use their time.  
<http://ustimeuse.github.io>

## LEADERSHIP

CO-EDITOR-IN-CHIEF

The Harvard Undergraduate  
Research Journal (thurj)

Sept. 2013 - May 2016

- Managed an executive board of 9 people and an organization of 60 people. Strategized plans for production and growth.

- Managed all aspects of submissions and peer review: 6 editors, 25 reviewers, 26 submissions, manuscript selection, revisions, quality check. Taught peer review to new members.

WRITER, ILLUSTRATOR, OUTREACH

Harvard Stories for Orphans

Sept. 2015 - May 2016

Authored, illustrated, and produced a personalized picture book for an orphaned child.

Built relationships with orphanages.

## LANGUAGES

ENGLISH

VIETNAMESE

JAPANESE (elementary)

## PROFESSIONAL SKILLS

PHOTOSHOP

ILLUSTRATOR

INDESIGN

EXL, PPT

JAVA

OCAML

JavaScript (D3.js, Angular.js, jQuery)

PHP, SQL, Databases