

## MARIA LAI

99 Quincy Mail Ctr • Cambridge, MA 02138 • lai01@college.harvard.edu • 515-779-9893  
mlai.us • github.com/marialai

### EDUCATION

#### Harvard University

Cambridge, MA

AB in Computer Science. Secondary Field in Neuroscience

May 2017

Relevant Coursework: Abstraction & Design in Computation, Theory of Computation, Computer Networks, Interactive Visualization, Multivariable Calculus

#### Herbert Hoover High School

Des Moines, IA

Ranked 1 of 280. A.P. National Scholar.

May 2013

### TECHNICAL SKILLS

**Programming:** Java, PHP/CakePHP, MySQL, JavaScript (Angular, D3, JQuery), OCaml.

**Operating Systems:** Windows 10 / 8 / 7, Linux, MAC OS X

### EXPERIENCE

#### Harvard University

Cambridge, MA

##### *Course Assistant, Interactive Data Visualization*

Sept. 2016 – present

- Graded homework and exams. Provided feedback about assignments to students.

#### Vettery

New York, NY

##### *Software Engineering Intern*

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.

#### Harvard Developers for Development

Cambridge, MA

##### *Term-Time Projects Director*

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.
- Built relationships with nonprofits, recruited project members, organized events, and managed projects.
- Spring '14: 4 teams, 15 fellows. Fall '14: 7 teams, 27 fellows, 15 mentors & partners.

### PROJECTS

**MiniML Interpreter** (Functional Programming): lexically and dynamically scoped interpreters using OCaml that can interpret abstract syntax trees into operations.

**American Time Use** (Interactive D3 Visualization): [ustimeuse.github.io](http://ustimeuse.github.io)

### LEADERSHIP & ACTIVITIES

#### The Harvard Undergraduate Research Journal

Cambridge, MA

##### *Co-Editor-in-Chief*

Sept. 2013 – May. 2016

- Managed an executive board of 9 people and an organization of 60 people. Helped organization to double its size.
- 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. Made reviewing process more efficient.
- Taught peer review and InDesign to new members.

#### Harvard Snowflake Stories for Orphans

Cambridge, MA

##### *Writer, Illustrator, Outreach*

Sept. 2015 – May. 2016

- Authored, illustrated, and produced a personalized picture book for a child.
- Built relationships with orphanages. Secured 15 book assignments for the next semester.

**Languages:** Vietnamese (Native Fluency), Japanese (Elementary)

**Interests:** Reading (tech, business, psychology, fiction, manga)