

MARIA LAI

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EDUCATION

Harvard University

Cambridge, MA

AB in Computer Science. Secondary Field in Neuroscience.

May 2017

Relevant Coursework: Abstraction & Design in Computation, Theory of Computation, Interactive Data Visualization, Computer Networks, 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.

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 patching bugs and extending features. Used PHP, Javascript, SQL.
- Worked on the 'notes' and 'skills' sections of the candidate profile. Improved performance of site.

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

American Time Use (Interactive D3 Visualization): Used D3.js to visualize a large dataset interactively. Honored as one of the best course projects. 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.
- Managed an annual budget of \$15,000.
- Strategized plans for production and growth. Helped organization to double its size.
- 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)