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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 - present

Worked with CakePHP, Angular.js frameworks. Other tools used: Jasmine, Protractor, Git.

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 children picture books for orphaned children. Built and maintained relationships with orphanages.

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, including building relationships with nonprofits and social enterprises, recruiting students to work on projects, and project management. Spring '14: 4 teams, 15 fellows. Fall '14: 7 teams, 27 fellows, 15 mentors and contacts from partners. Organized a projects showcase at the end of each term.

PROJECTS

MINI ML INTERPRETER
Functional Programming

Created an interpreter using OCaml that can be lexically or dynamically scoped. Capable of interpreting abstract syntax trees into operations.

AMERICAN TIME USE
Interactive D3 Visualizations

Used D3.js to create interactive visualizations of large datasets.
<http://ustimeuse.github.io>

FIREFOX ACCOUNTS
Open Source Contribution

Improving user experience of Firefox Accounts. Worked with JavaScript and unit testing.

AWARDS

Harvard College Research Program (2015): Received funding for original research in neuroscience.
Harvard Medical School & Brigham and Women's Hospital Summer Research Program Scholar (2014):
Received support in housing and stipend for conducting original research in nephrology.
National AP Scholar (2012 & 2013) | Mediacom World Class Scholar (2013) | IA Grand Lodge Masonic
Scholarship (2013) | Iowa Asian Foundation for Higher
Education & Excellence Scholarship (2013)

LANGUAGES

ENGLISH
VIETNAMESE
JAPANESE (elementary)

PROFESSIONAL SKILLS

PHOTOSHOP
ILLUSTRATOR
INDESIGN
EXL, PPT, STATA
C
OCAML
JavaScript (D3.js, Angular.js, jQuery)
PHP, SQL, Databases