Joy C. Ming

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Education

Harvard University, Cambridge, MA   Class of 2015

A.B. Candidate in **Computer Science**, Secondary **Global Health and Health Policy**. GPA 3.564.

Coursework in machine learning, economics and computation, multiagent systems, data science and sociology, anthropology, biology, and political economy of health in the developing world.

Experience

Harvard University School of Engineering and Applied Sciences, Cambridge, MA   9/2012-present

Research assistant to Professor Barbara Grosz in Care Augmenting Software Partners (CASPERs) Research Group

- Design and prototype Your Organizer for Doctors Appointments (YODA) to help children with complex conditions log their concerns before a doctors appointment (hcs.harvard.edu/~jming/yoda).
- Prototype application to help patients and doctors manage care plans (hcs.harvard.edu/~jming/goalkeeper).

Google, New York, NY   5/2013-8/2013

Engineering Practicum Intern

- Add capabilities to internal staffing applications using Google Web Toolkit and Java on AppEngine.
- Improve interviewer calibration by enabling sharing and review of colleague feedback.
- Create dynamic, data-defined UI to enable richer data structures on feedbacks.

Raxa JSS EMR, New Delhi, India   5/2012-9/2012

Summer Front-End Intern and Volunteer Developer

- Research workflow of community health workers in organization of patients, visit scheduling, inventory tracking, and resource access by interviewing administrators and health workers in rural Chhattisgarh.
- Design screens, code front-end using Sencha Touch to link OpenMRS backend with REST calls in smartphone application for CHW module of health information system.

Leadership

- *Co-founder* of **Harvard College Developers for Development** (winter 2012), an organization dedicated to increasing awareness for and involvement in technology for social impact in international development.
- *Co-founder* of **Harvard Innovation, Technology, and Entrepreneurship Collaboration** (spring 2012), a coalition of leaders from various technology related student groups to present a more cohesive experience.

Awards and Honors

- Top 10 project in data science class for **Truth Behind Aural Pleasure** (*aural-pleasure.herokuapp.com*) (12/2013)
- Finalist **J.P. Morgan Code for Good Challenge** (10/2013).
- 2nd place in the Ideas Challenge as one of the **ThinkChicago 100** (8/2013).
- 1 of 17 finalists for **Square Code Camp** (1/2013).
- Featured article "Autism in China" in **Journal of Global Health Spring 2012** edition (5/2012).
- Finalist for US Imagine Cup and Semifinalist for MIT $100K Competition for **Remindavax** (3/2012).
- Semifinalist in Microsoft's Big App on Campus and featured on radio of SXSW for **Jar of Joy** (12/2011).

Skills and Interests

Skills in Python, Java, Web development, C, OCAML.

Interests in exotic tea, scarves, massage, and exploring (through travels, stories, and books).