Alexandra To

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Education

Carnegie Mellon University, Human-Computer Interaction Institute, Ph.D. Candidate

Stanford University B.S. '14 Conferred with Departmental Honors, M.S. '15 Candidate

Symbolic Systems (Human-Computer Interactions Concentration), Asian American Studies Minor

Relevant Coursework: Computer Organization and Systems (CS107), Computer Systems (CS 110), Intro to Human-Computer Interaction Design (CS147), Web Applications (CS 142), Intro to Cognitive Science (SymSys100), Research Topics in Human-Computer Interaction (CS376), Computer Consulting (CS196), Mind, Matter & Meaning (Phil 80), Philosophy of Neuroscience (Phil 167D), Intro to Semantics and Pragmatics (Linguist 130A), Cognition in Interaction Design (SymSys 245)

Experience

- Stanford University – CS (**Course Assistant** – CS 547 HCI Seminar)   Winter 2015-(Present)
- Stanford University – Symbolic Systems Program (**Teaching Assistant**)   Fall 2014

    TA for SymSys 100 (Minds and Machines) – an intro Cognitive Science course. Lead weekly discussion section.

- Stanford University HCI Group (**Research Assistant**)   June 2014-(Present)

    Pushing towards "Flash Organizations," scaling up capabilities of the expert crowd. Combining HCI and organizational behavior research to examine how the online expert crowd can come together like an org.

- Stanford Residences (**Residential Computer Consultant**)   September 2013-(Present)
- Stanford University HCI Group (**Summer CURIS Intern**)   June 2013-September 2013

    Created Foundry, an interactive online tool for authoring and managing Flash Teams. See Projects.

- Bing Overseas Program (**Head Student Advisor**)   June 2012-(Present)

    Managing student advisors, organizing outreach events, panels, etc. Previously Beijing SA. (Sept.-Jun. 2012)

- Stanford University Symbolic Systems Department (**Research Intern**)   June 2012 – September 2012

    Worked jointly with the SymSys Program and the MLK Jr. Institute designing a collaborative history online platform to engage a wide audience with digital history. Designed research studies based on project.

Skills

- Development Experience
    - HTML5, JavaScript, CSS, jQuery, D3
    - C++, C, Java
    - Limited: Python, R, Ruby, Rails
- Research, Paper Writing
- Team Management/Coordination
- Rapid Keynote/Paper Prototyping and Testing
- User Interface Design / UX Research

Projects

- *Symbolic Systems Honors – "Foundry: Managing Teams of Experts Online"*   September 2012-June 2014

    Foundry has gone through iterative design, runs on Rails, and uses the Twitter Bootstrap, jQuery, and D3 libraries. For Honors, had total ownership over the platform including: design, implementation, and UX testing. Allows user to author and run teams of on-demand teams of expert crowd workers. Ran controlled study of non-expert ability to use platform to create project teams. Managed team of four research assistants who developed new features as we expanded.

- *"School Source" Content Management App (For CS 147 – Intro to HCI Design)*   Fall 2012

    Designed and developed mobile school administrative system on a team of three. Worked with local private high school. Rapidly prototyped interfaces after user testing. Rails app w/ jQuery Mobile.

Publications

- Retelny, Daniela, Sébastien Robaszkiewicz, **Alexandra To**, Walter Lasecki, Jay Patel, Tulsee Doshi, Melissa Valentine, Michael Bernstein. *Expert Crowdsourcing with Flash Teams.* Proc. UIST '14, 2014. *Best Paper Award