

KATIE ZHU

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SKILLS

PROFICIENT | Ruby, Rails, Sinatra, Python, Flask, Unix, Git, JavaScript, CoffeeScript, jQuery, HTML5, CSS3, InDesign

EXPERIENCED | Backbone.js, D3.js, AWS, MongoDB, MySQL, Photoshop

HONORS AND AWARDS

Fifty for the Future Awardee, a distinctive recognition from the Illinois Technology Foundation for the top 50 students in Illinois who pursue innovation through technology Chicago, IL | OCTOBER 2012

AP-Google Journalism and Technology Scholar, one of six inaugural recipients awarded \$20,000 for a project to build GitHub for journalism San Francisco, CA | SEPTEMBER 2012

Knight-Mozilla News Technology Fellowship Finalist, developed a project to revamp comment systems and was selected to be one of 20 hackfest participants, collaborating with Al Jazeera, the BBC, Boston Globe, The Guardian and Zeit Online Berlin, Germany | SEPTEMBER 2011, 2012

Eric Lund Global Research and Reporting Fellowship, awarded to study "The Societal Effects of Pervasive Connectivity in Arabianranta" Helsinki, Finland | JANUARY 2011

Online News Association Conference, one of 20 selected from 143 applicants to participate in the student newsroom Boston, MA | SEPTEMBER 2011

LANGUAGES

Mandarin | Fluent (proficient in reading and writing)

REFERENCES AND WORK

Available gladly upon request. For work samples, visit my GitHub: [GITHUB.COM/KTZHU](https://github.com/ktzhu).

EDUCATION

Northwestern University | June 2013

B.S. in Computer Science (Systems, Artificial Intelligence) and Journalism (Design)
GPA: 3.7/4.0 (Dean's List Winter+Fall 2010, Spring+Fall 2011, Spring+Fall 2012)

RELEVANT COURSEWORK

Operating Systems, Web Information Retrieval, Network Security, Artificial Intelligence Programming, Advanced Interactive Design, Human-Computer Interaction, Design and Analysis of Algorithms, Computer Networking, Programming Languages, Innovation in Technology and Journalism (Practicum), Software Project Management and Development (Mobile), Data Structures and Management, Human-Centered Product Design, Visual Literacy

EXPERIENCE

Interactive News Intern | *The New York Times*, New York, NY

JULY 2013-PRESENT

SKILLS: RUBY, PYTHON, MONGODB, SINATRA, JAVASCRIPT, SLIM, SCSS, AWS

Main project: overhauling the Fashion Week Runway Player, converting from Flash to web. Responsibilities include everything from backend data manipulation and CMS integration to frontend UX, design and implementation. Also working on applying data science to track abnormal votes in Congress, and a Ruby wrapper for NYT Article Search API version 2.

Teaching Assistant | *Web Production (JOUR 390)*, Evanston, IL

MARCH 2013-JUNE 2013

Responsibilities include preparing curriculum for class workshops on a variety of advanced web topics ([JAVASCRIPT LIBRARIES](#) and [APIs](#)), grading student work, and mentoring groups on their quarter-long projects, providing both technical assistance and editorial feedback.

Undergraduate Fellow (Designer/Developer) | *Knight Lab*, Evanston, IL

SEPTEMBER 2012-DECEMBER 2012; MARCH 2013-JUNE 2013

SKILLS: PYTHON, DJANGO, AWS, UNIX, JAVASCRIPT, HTML, LESS, WORDPRESS

Responsibilities included prototyping innovative news media products, server migrations to a push-to-deploy cloud environment. Also worked on a redesign of the Lab's website.

News Applications Developer | *NPR*, Washington, D.C.

JANUARY 2013-MARCH 2013

SKILLS: PYTHON, FLASK, JAVASCRIPT, JQUERY, BOOTSTRAP, JINJA, LESS, AWS

Built full-stack, multiplatform web applications for interactive storytelling. Work comprised backend and frontend programming, wireframing, and deployment. Projects ranged from collaborations with shows like Morning Edition to NPR Music. Responsibilities varied widely, including [DATA ANALYSIS AND VISUALIZATION](#), [CHARTS AND INFOGRAPHICS](#), [AUDIENCE ENGAGEMENT](#), and projects working with [VIDEO](#), [PHOTOGRAPHY](#) and [SOUND](#).

Software Engineer | *GOOD Worldwide, LLC.*, Los Angeles, CA

SEPTEMBER 2011-SEPTEMBER 2012

SKILLS: RUBY, RAILS, MYSQL, BACKBONE.JS, RSPEC, JASMINE, SLIM, SCSS

Worked with an agile team of three designers and six developers to build and launch [CITIZEN.GOOD.IS](#), GOOD's new citizenship platform. Responsibilities included refactoring existing code and using test-driven development to add new features for launch. Worked on everything from the backend API and exposing data to the frontend UI.

Web Engineering Apprentice | *GOOD Worldwide, LLC.*, Los Angeles, CA

JUNE-SEPTEMBER 2011

SKILLS: RUBY, RAILS, RSPEC, MYSQL, JQUERY, JAVASCRIPT, SLIM, SASS

Built [M.GOOD.IS](#), a mobile version of GOOD's website (team consisted of one other developer and designer). Responsible for entire project from conception to execution, such as UX, server-side and database components, front-end implementation, A/B testing and analytics. Agile software practice with focus on test-driven development.