KATHERINE GILHOOLEY

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Technical skills

Strong: Javascript, Node, Express, Angular, jQuery, PostgreSQL, Git, Sails, Mocha, Gulp, TDD, Bash, SQL, Knex.js, agile development.
Knowledgable: CoffeeScript, Clojure, Backbone, D3, MongoDB, Socket.io, Grunt, Firebase, HTML5, CSS3.

Recent projects

Bookstrap   2014-present

Closed-source client project: a resource portal for Hack Reactor students and staff. Rebuilt and redesigned the student help system in a production codebase. Currently in use throughout the Hack Reactor network of schools. *(Sails, Node, Angular, PostgreSQL)*
- Redesigned the student help request system to filter and route information by the user's role, resulting in modularized flow of information on the front-end. Built an admin panel, which provides an overview of the state of the help system.
- Full-stack redesign of the student feedback feature: normalized database, including schema redesign, migrations, and middleware; rebuilt the front-end logic that processes user input to align with backend redesign and make fewer database queries; moved hardcoded data to modular core service, ensuring a single source of truth.
- Quickly adapted to an unfamiliar codebase to meet scheduled production goals. Served as interim project lead. Participated in code review on this and other projects as part of the engineering team. Wrote bash script for project team to automate database drop/recreate process.

Ourglass | http://ourglass.firebaseapp.com   2014

Collaborative real-time in-browser game using a custom-built physics engine. *(jQuery, Firebase, Coquette.js, Gulp)*
- Led team development of custom physics engine to drive core functionality and game interactions; created front-end login interface; scaffolded game functionality using animation library.
- Built and integrated Mocha/Chai test suite to drive development. Eased deployment process by integrating Gulp.

Cheesebort | http://cheesebort.azurewebsites.net   2014

A web app that locates and returns the mac-and-cheese purveyors nearest to the user. *(jQuery, Yelp API, OAuth)*
- Authenticated queries to the Yelp API with OAuth. Sent location data with each query by leveraging in-browser geolocation feature. Used jQuery's promise library to accommodate asynchronous calls for geolocation data.

Professional experience

Hack Reactor   2014-2015

Hacker in Residence (three-month postgraduate fellowship)
- Conducted interviews of Hack Reactor candidates, assessing technical capability and communication skills.
- Provided analytical and metacognitive guidance to current Hack Reactor students facing technical problems.

JAMA Internal Medicine

Senior Publications Coordinator *University of California, San Francisco*   2011-2014
Editorial Assistant *American Medical Association*   2010-2011
- Oversaw the peer review process during a 30% increase in submissions for a prominent, high-volume medical journal.
- Advised Editor-in-Chief on questions of publication ethics; supervised a remote editorial assistant.
- Functioned as the primary support contact for users of the journal's web-based submission software.

Under the Radar Magazine   2011-2014

Copy Editor (freelance)
- Applied a gimlet eye to errors and unfortunate phrasing. Consistently met tight deadlines, often at short notice.

University of Chicago Press   2008-2009

Editorial Assistant
- Provided editorial/administrative support for two senior editors, producing a 12-title frontlist and 20-title backlist per season.

Education

Hack Reactor   2014

Advanced software engineering immersive, focused on full-stack development, CS fundamentals, and engineering best practices.

University of Chicago   2006-2009

Relevant coursework: Honors Calculus 1 & 2, Symbolic Logic, Historical Linguistics, Statistics (Hunter College)