San Francisco, CA
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William Kilmer

billkilmer.org
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Technical Skills

Advanced: Angular.js, Meteor.js, JavaScript, Data Structures
Proficient: Ruby on Rails, D3.js, MongoDB, SQL, Backbone.js, React, Node.js, Express.js, CSS

Projects

Jabbr, Team Member / Software Engineer | jabbr.me
Social language learning site

- Implemented front and back end of recording views with Mongo, Node, Express, and Angular
- Created schema for audio annotations attached to user recordings
- Wrote unit tests in Mocha and end-to-end tests with Protractor

HackFeed, Scrum Master / Software Engineer | hackfeed.herokuapp.com
Hacker News skin that allows bookmarking of stories and following of users and keyphrases

- Deployed site to Heroku and set up remote Mongo instance
- Led daily standups and managed tasks with Trello kanban board

Blood and Brains Bus Battle, Scrum Master / Software Engineer | zvsv.meteor.com
Checkin game between teams to control SF bus stops

- Integrated Firebase Geofire npm module with Meteor to query real-time bus locations
- Set up Mongo collections to track players, teams, and scores
- Delegated duties to a team of four other engineers during daily standups

Other Professional Experience

NewDealDesign, Mechanical Design Engineer | newdealdesign.com   2012 - 2013
Industrial and Mechanical Design Consultancy

- Aided the development of a new consumer robotics platform
- Designed mockups and test rigs to evaluate components and design concepts
- Selected device components based on testing and datasheet analysis
- Modeled internal product geometry using SolidWorks solid modeling software
- Contributed to assembly and testing of ten functional prototypes

Hodge and Elyria Foundries, Mechanical Engineer | elyriafoundry.com   2010 - 2011
Heavy Iron Casting Production

- Cut production costs with process improvement projects, such as reducing sand costs by 20%
- Wrote engineering mold instructions for casting production
- Optimized mold design and chemistry using genetic algorithms and a metal casting simulation program
- Wrote quoting system for mining castings based on historical weights and diameters

Education

Hack Reactor - Advanced Software Engineering Immersive   San Francisco, 2015
Pennsylvania State University - B.S. Mechanical Engineering   Pennsylvania, 2010

Personal

I enjoy video games, board games, and exploring nature.