

Jennifer Hamon

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Work Experience

IFTTT, Backend Developer www.ifttt.com

Contract position from July - September 2014

- Built backend service integrations with Square and Nest APIs
- Contributed new modules and performance improvements to code that generates a user-tailored weekly analytics email
- Benchmarked and refactored performance bottlenecks throughout application

Independent Projects

To see my full portfolio, check out my personal site hamon.io

Meme Generator www.adoptme.me

Meme generator to virally increase visibility of cats seeking a new home.

Single-page Backbone app consuming RESTful Rails API.

- Retrieves cat listings from Petfinder.com's API and stores photos on AWS
- Cat-specific URLs are watermarked onto images.
- Images manipulated server-side using RMagick.
- Overrides Backbone's `Model#parse` method to rebuild Rails-like associations on the client.

Snake Arcade Game www.serpent.io

Classic game from Atari rebuilt for the browser.

- Implements pub-sub design pattern to maintain two-way data bindings.
- Each cell is a Backbone view listening for changes on the model layer and updating its DOM element accordingly.
- High scores persisted on Rails server.

Skills

Ruby, Rails, RSpec, JavaScript, Backbone.js, SQL, Python, Jasmine, git, HTML, CSS

Formal Education

California Institute of Technology

Pasadena, CA

M.S. in Geology, 2013. Research focus on paleomagnetism and the tectonic history of the Mojave Desert region. Paleomagnetic data analysis performed with Python (NumPy, matplotlib) and R.

Massachusetts Institute of Technology

Cambridge, MA

B.S. in Geosciences, 2010 (GPA: 4.3/5.0). Undergraduate thesis involved computer simulation of Florida hydrology and landscape evolution through time.