

Jade McPherson

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[LinkedIn](#) • [GitHub](#) • [Portfolio](#)

EXPERIENCE

App Academy

Instructor

San Francisco, CA
2015

- Lecture and mentor students through a 9-week intensive web development course
- Write TDD assessments with RSpec unit and integration tests
- Conduct technical interviews with prospective students
- Contribute to course curriculum git repositories using rebase workflow

University of California San Francisco

Staff Research Associate III, Center for Systems and Synthetic Biology

San Francisco, CA
2012-2015

- Differentiated light-controlled stem cells into neurons
- Developed a MATLAB genome alignment analysis pipeline

Children's Hospital Boston

Research Technician II, Harvard Human Embryonic Stem Cell Core Facility

Boston, MA
2009- 2012

- Reprogrammed diseased stem cells into blood and pancreatic tissue
- Created macros for robotic high throughput automation

PROJECTS

TakeASpin

Social bicycle sharing program for San Francisco

- RESTful Rails backend serves JSON to Backbone
- Google Maps API and Cloudinary API allow users to search bikes and upload photos
- Custom authentication using BCrypt secures user passwords

Ribbit

Javascript browser game inspired by the classic arcade game, Frogger

- Dynamic rendering intervals update upon games level of difficulty
- Keymaster.js binds keys for quick, responsive jumps
- Draws graphics on HTML5 canvas element for smooth rendering



JavaScript



PostgreSQL



CSS



HTML



GitHub



React



Flux



jQuery



Backbone.js



Ruby



Rails



Python

EDUCATION

App Academy

Full-stack Web Development, < 3% acceptance rate

San Francisco, CA
2015

Northeastern University,

Bachelor of Science in Biology, Cum Laude

Boston, MA
2009

PUBLICATIONS

[Cell Systems](#) (2015), [Nature Biotechnology](#) (2014), [Cell Stem Cell](#) (2013)

AWARDS

Northeastern Provost Grant, Matz Biotechnology Award, FURI Award

MISCELLANY

Organized and completed coast-to-coast bicycle trip from Boston to San Francisco (2012)
Gold medal, Pawtucket Dragon Boat Festival 2011
Schlaeger Lab Charades Champion and renowned "Scientific Paper-Mache" artist