

Matt Gukowsky

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Projects

CSBS (Live) | [GitHub](#)

A flashcard app modeled after [Brainscape](#).

- A Backbone.js front-end is supported by a RESTful Rails JSON API.
- Algorithm implemented in Backbone.js causes more challenging flashcards to appear more frequently.
- Sharing, rating, and public/private functionality for flashcard decks.

Centipede (Live) | [GitHub](#)

Browser version of the classic Atari game.

- Responsive CSS effects which can be toggled on and off.
- Utilizes a hash to efficiently track all game objects.

RailsLite | [GitHub](#)

Web server which recreates Rails back-end functionality.

- New routes defined through dynamic programming.
- User-defined controllers, session tracking with cookies.

Skills

Ruby, Rails, JavaScript, jQuery, Node.js, Backbone.js, Angular.js, SQL, Git, HTML 5, CSS, Python, C++ (learning)

Education

[App Academy](#) | New York, NY | January - June 2015

- Full-stack web development course, acceptance rate < 5%

BA, Behavioral Psychology | BA, Music

Binghamton University | 2014 | Highest Honors

- **Curriculum Highlights:** Data Analysis, Test Design, Audio Design, Behavior Analysis.

Experience

Camp Mohawk in the Berkshires, Inc. | June 2008 – January 2015

- Built company website after learning HTML5, CSS, and JavaScript on the job.
- Created and managed databases for client information and cash flow.
- Collaborated with business owner on outreach programs which increased number of clients by more than 40%.

Institute for Child Development, Binghamton University | August 2010 – December 2012

- Lead undergraduate supervisor, supervised treatment of clients and saw academic improvements of more than 100%.
- Marketed research findings and program designs at professional conferences.