

Matt Gukowsky

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Projects

NEScript (Live) | [GitHub](#)

JavaScript emulator of the classic Nintendo Entertainment System.

- Low level hardware components are implemented in JavaScript.
- Full TDD suite ensures fidelity of low level APIs.
- View the [readme](#) for a detailed explanation.

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.

cREST (Download) | [GitHub](#)

Multithreaded REST client for Windows.

- Requests and responses are handled via specially constructed sockets, allowing for extreme responsiveness.
- User can input custom HTTP requests.

Skills

Ruby, Rails, JavaScript, jQuery, Node.js, Backbone.js, Angular.js, SQL, Git, HTML 5, CSS, Python, C++, C, Win32, SDL

Education

[App Academy](#) | New York, NY | January - August 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, Statistics

Experience

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%.

NYC Department of Education | February 2013- August 2013

- Taught special education, tracked data, and set goals for more than 100 students, including several with behavioral and language difficulties.
- Many students saw academic improvements of more than 50%.

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.