NICK ZNAJKOWSKI

nickznajkowski@gmail.com
917-960-4803
LinkedIn - Github - Portfolio

PROJECTS

Shmora   **Ruby on Rails, React.js, Flux**   Repo - Live

A pixel-perfect single page clone of the Q&A platform Quora
- ➤ Upvote/downvote system calculates answer scores on front end for instant response
- ➤ Searches quickly with minimal server load by using multi-table indexing
- ➤ Prefetches data using custom SQL queries for more efficient request handling
- ➤ Flux architecture ensures underlying data stays in sync with visual representation
- ➤ Uses Amazon S3 for scalability, storage and quick retrieval of images

Curveball   **Javascript, HTML5 Canvas**   Repo - Live

In-browser ping-pong emulator implementing a custom physics engine
- ➤ Uses approximation of Magnus Effect to achieve curveballs
- ➤ Ball responds differently to dynamic paddle based on point of contact
- ➤ AI updates its predictions in real time
- ➤ Bubbling at root level ensures all values are kept consistent

goDOMgo   **JavaScript**   Repo

Lightweight JavaScript library for traversing the DOM, only 26KB
- ➤ Contains methods for event handling, and DOM manipulation

SKILLS

Ruby • Rails • JavaScript • jQuery • React.js • Flux • SQL • Git • HTML5 • CSS3

EDUCATION

App Academy   **February – May 2016**
- ➤ **Full-Stack web development course:** 1000 hours, 3% acceptance rate, topics include: scalability, algorithms, OOP, single-page apps and coding best practices

New York University   **3.68 GPA, B.A in Linguistics**   **Graduated 2013**

- ➤ **Thesis Topic:** Designed a study to trace the origins of basic syntactic structures in a minority Slavic language given the influence of German and Polish (a previously unresearched field)

WORK HISTORY

DK Education, Beijing   **Academic Director**   **July 2014 – July 2015**
- ➤ Managed and evaluated teachers and designed teacher training program around best available pedagogy practices
- ➤ Led DK Annual Report 2014 research team of teachers, and authored 2 articles
- ➤ Gave demos for other education companies and schools, led to 3 new partnerships
- ➤ Managed development of and designed a new curriculum for the 2016 SAT Redesign