

Jared Johnson

Software engineer based in New York City

598 Broadway
New York, NY 10012
(443) 694-0371
jjohnson.eit@gmail.com
www.jaredjohnson.me

PROJECTS

Knowtation, [Live](#) • [Source](#) — Rails, PostgreSQL, JavaScript, React/Redux

- Provides responsive UI using React.js to sync music notation with videos.
- Caches data throughout each request-response cycle to reduce server load.
- Utilizes metaprogramming to increase code portability and readability.
- Implements cloud computing using AWS S3 on the backend.

SuperCrateBox, [Live](#) • [Source](#) — JavaScript

- Calculates 2D vector-based physics and detects collisions for over 5000 entities with no framerate loss at or above 60 frames per second.
- Utilizes cache system for preloading assets before the game starts.

Mesa, [Source](#) — Ruby, SQLite3

- A lightweight object-relational mapping in Ruby with the same core functionalities as ActiveRecord while using a fraction of the overhead.

EXPERIENCE

Parsons Corporation, Perth Amboy, NJ — *Associate Engineer*

AUGUST 2015 - AUGUST 2016

- Led the largest internal technical webinar teaching 500+ employees how to automate tasks in VBA, reducing manual data processing company wide.

Grammys, Various Locations, US — *Lead Guitarist*

JULY 2015 - OCTOBER 2015

- Arranged music for a group of musicians of varying proficiencies and backgrounds, which in turn produced one coherent sound.

NASA, Golden, CO — *Research Assistant*

JUNE 2014 - AUGUST 2014

- Derived and programmed a mathematical model of tropospheric nitric acid evolution, which produced results within 10% of the measured values.

TECHNOLOGIES

React.js, Redux, Ruby, Rails, Angular 2, PostgreSQL, JavaScript, Node.js, SQL, MongoDB, RSpec, VBA, CSS, SASS, Git, Python, C, AWS S3, Bootstrap 3, MATLAB

EDUCATION

University of Maryland, Baltimore County, Baltimore
— B.S. Chemical Engineering
(MAY 2015) GPA 3.40

App Academy, New York City
— 1000-hr Full Stack Web Development Course with less than 3% acceptance rate
(NOVEMBER 2016)

ADDITIONAL SKILLS

Software and hardware testing and documentation, quality control, process engineering, mathematical modeling, unit operation simulations, scaling and optimization