Jared Johnson

Software engineer based in New York City

619 14th St.
Union City, NJ 07087
(443) 694-0371
jjohnson.eit@gmail.com
linkedin.com/in/jjohnsoneit
github.com/jaredjj3

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 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

- Lead 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 diverse group, which produced one coherent sound.

NASA, Golden, CO — *Research Assistant*

JUNE 2014 - AUGUST 2014

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

TECHNOLOGIES

React.js, Redux, Ruby, Rails, PostgresQL, JavaScript, Node.js, SQL, RSpec, VBA, CSS, Git, Python, C, AWS S3, 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