

Peter De Genaro

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PROJECTS

Grandcamp, (Rails, React.js, AWS, PostgreSQL)

[live](#) | [github](#)

Music sharing web application inspired by Bandcamp

- Created a custom audio player using the Web Audio API and HTML5 components
- Incorporated dynamic inline CSS styles to improve UX for artists
- Stored image/audio files on AWS S3 to improve buffering and increase scalability
- Implemented nested attributes in Rails backend, allowing artists to upload multiple songs and create multiple entries in the PSQL database in a single request

You Are Running Out Of Air, (JavaScript, HTML5, Matter.js, EaselJS)

[live](#) | [github](#)

A fast-paced JavaScript platforming game

- Engineered a tile map system that uses custom JS map file objects for extensibility
- Developed a rendering system to connect EaselJS graphics to Matter.js physics
- Improved fluid performance by limiting the number of elements on the canvas

DOMiNodes, (JavaScript)

[github](#)

DOM manipulation library in JS

- Simplified DOM traversal with intuitive and lightweight JS interface
- Authored robust API docs to increase understandability and user engagement

SKILLS

Ruby

Rails

JavaScript

jQuery

React.js

RSpec

CSS

SQL

Git

HTML

Redux

Web Audio

EDUCATION

App Academy - Coding School

2016

- 1000-hour full-stack web development intensive with <3% acceptance rate
- Focus on coding style, single-page apps, and web development best practices

Boston University - Bachelors, Religion (East Asian Focus)

2011

EXPERIENCE

Assistant Teacher - Monroe 1 BOCES (Special Education)

2013-2016

- Configured assistive communication devices to improve nonverbal student understanding and engagement
- Simultaneously taught 20 students each with radically different cognitive abilities

Museum Educator - Discovery Museum and Planetarium

2011-2013

- Implemented a game design class to teach 40 inner-city youths math and code,
- Students completed a “choose your own adventure” using Python conditionals
- Performed hour long educational science demos for audiences of 100+

PORTFOLIO www.peterdegenaro.com

GITHUB [mincer-ray](#) LINKEDIN [Peter De Genaro](#)