

Michael Duke

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PROJECTS

superBoards (Ruby on Rails, React.js/Flux) | [live](#) | [github](#)

Productivity web app for organizing notes and projects. Inspired by Trello.

- Implements drag-and-drop functionality using React DnD.
- Allows secure authentication using BCrypt and Omniauth with Facebook.
- Enables full text search through user's data with PgSearch.

AsteroidBlast (JavaScript, HTML5) | [live](#) | [github](#)

Browser based game inspired by classic side-scrolling arcade shooter games.

- Renders side-scrolling game view using multiple HTML5 Canvas layers.
- Implements collision detection based on trigonometric functions.

ActiveRecord Lite (Ruby, SQL) | [github](#)

An implementation of Ruby on Rails' ActiveRecord core features.

- Leverages Ruby metaprogramming principles to implement ORM.
- Abstracts complex SQL queries to Ruby classes via modules and inheritance.

SKILLS

Ruby	Rails	SQL	HTML	CSS
JavaScript	jQuery	React.js	Flux	Git

EXPERIENCE

Capital Markets Accountant - BNY Mellon

2007 - 2015

- Automated accounting tasks, eliminating 3 hours of daily production work.
- Investigated and resolved accounting system errors with global teams.
- Achieved accurate accounting of client funds on a daily basis over 8 years.

Dance Instructor - Brooklyn Swings

2014 - 2015

- Conducted flexible group classes for students of all levels and physical ability.

EDUCATION

App Academy

2015 - 2016

- Rigorous 1000-hour software development course with < 3% acceptance rate.

Ramapo College of New Jersey

2004 - 2007

- Bachelor of Science in Accounting, GPA: 3.47

PORTFOLIO www.michaelduke.nyc • **GITHUB** www.github.com/michaeld

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