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/michaelcd
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