

# Anthony J. Deluca

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## PROJECTS

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**ClonedStarter: Rails-React Kickstarter:** [Live](#) - [Github](#)

- Backend: Ruby on Rails. Frontend: Javascript, React, Redux, HTML, CSS
- Manages calls to the backend so that the site is stable regardless of user behavior
- React Modals are used to give users receive immediate feedback if they attempt illegal actions

**ReactChess:** [Live](#) - [Github](#)

- Smooth JavaScript interface for browser chess created in React/Redux
- Extra Silly chess mode where both sides randomly determined boards
- Object Oriented Design. Adding makes adding features (like random chess) easy.

**MiniJQuery:** [Live](#) - [Github](#)

- Lightweight implementation of JQuery using just DOM manipulation and Javascript
- Demonstration Tic Tac Toe Game included
- Implemented a AJAX function that correctly handles both form data and JS objects as input
- Ajax method automatically handles CSRF verification. Ajax function used in ClonedStarter to connect the front and back ends.

## SKILLS

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JavaScript, Ruby, Rails, React, Redux, Matlab, SQL, HTML5, CSS, jQuery, Latex

## EDUCATION

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**M.A. in Mathematics:** Penn State University: Fall 2016

- Selected Coursework: Numerical Optimization, Partial Differential Equations, Stochastic Processes
- Teaching Assistantship: Full tuition and a stipend.
- Won a departmental award for exemplary performance on the PHD qualifying exams

**App Academy:**

- 12 week intensive full-stack development program.
- sub 5% acceptance rate

**B.S. in Mathematics:** Macaulay Honors College, CUNY. Spring 2013

## EMPLOYMENT HISTORY

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**Instructor:** Fall 2014-Spring 2016

- I was the sole lecturer for three courses per year
- Collaborated to develop the curriculum shared across multiple sections of the same course
- Average test scores in my sections were consistently in the top third of sections

**Teaching Assistant:** Geometry for Teacher: Spring 2014

- Helped struggling students improve their understanding with personalized interventions