

Anthony J. Deluca

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PROJECTS

ClonedStarter: Rails-Rails 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
- Ajax method automatically handles CSRF verification. Ajax function used in ClonedStarter to connect the front and back ends.

SKILLS

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

EDUCATION

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

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