

# Anthony J. Deluca

Web Developer with Experience in Modern Frontend Technologies and Mathematics

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## EXPERIENCES

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

- Browser chess implemented with React/Redux
- Extra Random Chess mode. Both sides play with randomized initial boards.
- Object Oriented Design.

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

- Fullstack application from scratch
- Backend: Ruby on Rails. Frontend: Javascript, React, Redux, HTML, CSS
- Login information is stored securely as a salted hash.
- React Modals are used to give users receive immediate feedback if they attempt illegal actions

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

- Lightweight implementation of JQuery using 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 for Rails Apps.

## SKILLS

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JavaScript, Ruby, Rails, React, Redux, Matlab, SQL, HTML5, CSS, jQuery, Node, Socket.io, Latex

## EMPLOYMENT HISTORY

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### **Private Math Tutor:** Dec 2016-Current

- Helping students improve their understanding with personalized interventions

### **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.

## EDUCATION

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

- Selected Coursework: Numerical Optimization, Partial Differential Equations, Stochastic Processes
- Won a departmental award for exemplary performance on the PHD qualifying exams

### **App Academy:**

- 12 week intensive full-stack development program.

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