

Arjun Dutta

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[github](#) • [linkedin](#) • [portfolio](#)

projects

Echo (Rails, React/Flux) | [live](#) | [github](#)

Music exploration and sharing app inspired by SoundCloud

- Single-page web application that utilizes React components to implement global track playback, allowing the user to listen to songs continuously as they navigate the site.
- Hand-rolled authentication using BCrypt

Cellular (Javascript, HTML5) | [live](#) | [github](#)

Interactive JavaScript browser game using canvas and javascript

- Implemented reactive AI behavior using vanilla JavaScript and class inheritance

Chess (Ruby) | [github](#)

Functioning chess game written in Ruby and played in the terminal

- Well-organized code following coding best-practices
- Game implements complex chess rules such as castling

skills

Ruby	Rails	SQL	HTML5/CSS3	SPSS
JavaScript	jQuery	React	Flux	Git

experience

Boot Camp Prep TA - App Academy

2016-present

- Teaching students JavaScript fundamentals and coding best practices to succeed in a competitive coding bootcamp environment

Research Associate - The Kuperberg Lab

2014-2015

- Spearheaded a shift to an online application that centralized participant demographic and behavioral data, establishing the lab's scheduling and subject information systems
- Designed and conducted a new linguistic experiment, including writing and coding stimuli, organizing experiment conditions, recruiting and running participants 40+ participants, and interpreting data using in-house software

Product Development Consultant - RAGE Frameworks

2014

- Designed and conducted research to determine the target customer and identify their needs and expectations, leveraging online survey tools to gather large amounts of usable data
- Organized usability testing for a product prototype, resulting in qualitative and quantitative data and feedback, informing future development

education

App Academy

2016

- Rigorous 1000-hour web development course with <5% acceptance rate
- Learned full-stack web development, gaining proficiency in Rails, SQL, JS, React, TDD, algorithms, and programming best practices

Tufts University - B.S. Cognitive Science

2011-2015

GPA 3.63, Honors: Cum Laude, Dean's List 5 semesters