Arjun Dutta

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github • linkedIn • portfolio

projects

Impulse *(JavaScript, React/Flux)* | live | github
New tab chrome browser extension utilizing external APIs
- Available on Chrome Web Store – submitted to League of Legends 2016 API challenge
- Efficiently caches data to limit API calls, settings persist through use of localStorage

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

skills

React	Rails	SQL	HTML5/CSS3	SPSS
JavaScript	Ruby	jQuery	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