

## PROJECTS **Noteworthy** • *Sole developer - JavaScript, Rails, React.js* [live](#) • [github](#)

*Evernote-inspired note management system*

- Employs single-page architecture powered by React Router that minimizes HTTP requests and provides seamless user experience
- Automatically saves notes to database in response to browser events using Flux listeners and AJAX requests
- Features clean and intuitive user interface made with hand-rolled HTML5/CSS3
- Integrates Quill.js library with note creation form to allow rich-text editing of notes

## **SafeScroll** • *JavaScript, jQuery* [live](#) • [github](#)

*Chrome extension that blocks triggering content for trauma survivors*

- Scans web pages for text nodes with target content and manipulates DOM tree to insert removable screen over matching nodes using jQuery
- Saves custom user-defined categories across browser sessions through interface with Chrome Storage API

## **Piano Hero** • *Sole developer - JavaScript, HTML5 Canvas* [live](#) • [github](#)

*Browser game modeled after Guitar Hero*

- Renders keyboard visuals to Canvas dynamically in response to user input via jQuery event handlers
- Integrates Web Audio API to synthesize sounds on key press

## SKILLS

<b>Ruby</b>	<b>JavaScript</b>	<b>React.js</b>	<b>SQL</b>	<b>Capybara</b>	<b>MATLAB</b>	<b>HTML</b>
<b>Rspec</b>	<b>Ruby on Rails</b>	<b>jQuery</b>	<b>Git</b>	<b>Python</b>	<b>Arduino</b>	<b>CSS</b>

## EDUCATION **App Academy** May - Aug 2016

- 1,000-hour full-stack web development program with <3% acceptance rate

## **Wellesley College** Sep 2009 - May 2013

- B.A.s in Neuroscience and Mathematics, GPA 3.82
- Institutional honors: *Magna cum laude*, Phi Beta Kappa, Sigma Xi
- Curriculum highlights: Computational Neuroscience, Artificial Intelligence, Numerical Analysis, Number Theory, Topology, Algebraic Geometry, Statistics, Linear Algebra

## WORK HISTORY **App Academy** • *Assistant Instructor* July 2016 - present

- Instructed 80+ students in object-oriented programming in Ruby as part of an intensive bootcamp preparation program
- Taught concepts ranging from effective debugging to abstract data types

## **Brown University** • *Lab Manager* Aug 2013 - Sep 2015

- Wrote scripts in MATLAB to calculate and visualize changes in cerebral blood flow
- Created virtual reality simulation in Python that responds to animal's movement
- Managed lab finances; reduced spending by 20% over 2 years
- Trained graduate students in MATLAB, electrophysiology, and two-photon microscopy
- Coauthored 2 journal articles under review at *Nature Methods* and *Neuron*