



SKILLS

Ruby - Ruby on Rails - SQL - JavaScript (ES6) - jQuery - React - Redux - HTML5 - CSS3 - Git - Adobe CS (Photoshop, Illustrator, InDesign)

PROJECTS

ForeverNote (JavaScript, Ruby, Rails, React, Redux) || [Live](#) & [Github](#)

A fullstack, single page note taking app, inspired by Evernote.

- Incorporates variety of note-taking features with Draft.js rich text editing and quick search
- Utilizes BCrypt Ruby gem to hash and salt passwords for secure user authentication
- Implements AJAX calls to fetch and persist notes to and from a PostgreSQL database
- Leverages React and CSS styling for quick and responsive UX

jQuery Lite (JavaScript, HTML, CSS) || [Live](#) & [Github](#)

DOM manipulation library inspired by jQuery, all based on vanilla DOM.

- Integrates DOM manipulation, traversal, event handling, and AJAX into a single, easy-to-use library
- Employs a multi-purpose universal wrapper function for optimal flexibility
- Utilizes a node data structure to mirror the DOM tree

Saving Sister (JavaScript, HTML5) || [Live](#) & [Github](#)

Original web browser game built using JavaScript and HTML5 Canvas.

- Utilizes HTML5 Canvas for flexible rendering of game assets in real time.
- Incorporates object oriented design for modular separation of game components
- Separates rendering and updating of game assets for optimal game performance.

TECHNICAL EXPERIENCE

Master's Thesis Project || *Charité University*, Berlin (Sept 2012- May 2014)

- Developed a Visual Basic script to calculate metrics for animal motor activity
- Designed a MatLab program for video analysis of mouse behavior using location tracking to measure determinants of anxiety-related behavior
- Published thesis as first-author in a scientific journal

EXPERIENCE

Research Assistant || *The Rockefeller University*, NY (Sept 2014 - Feb 2017)

- Analyzed animal behavioral data using statistical software (PRISM and SPSS)
- Performed full spectrum of molecular assays and animal experimental procedures
- Received acknowledgement in Nature Neuroscience and pending co-authorship in current-working manuscript

Assistant Design Editor || *PALS Publishing* (May 2010 - May 2012)

- Updated outdated files to the standard InDesign format, establishing a working, digital library

EDUCATION

Full Stack Web Development || *App Academy*, NY (Spring 2017)

- 1000+ hours, immersive coding bootcamp with a competitive < 3% admission rate

M.Sc in Medical Neurobiology || *Charité University*, Berlin (Sept 2012 - May 2014)

- Curriculum Highlights: Intro to MATLAB

B.Sc in Neurobiology and Behavior || *Cornell University*, Ithaca (August 2008 - May 2012)

- GPA: 3.5
- Curriculum Highlights: Intro to CS, Multivariable Calculus