Kevin D. Dam

New York, NY
kdd44@cornell.edu

SKILLS

Languages: **Ruby - Ruby on Rails - HTML5 - CSS3 - SQL (PostgreSQL) - JavaScript (ES5 & ES6)**
Other: **jQuery - React - Redux - Git - Adobe CS (Photoshop, Illustrator, InDesign)**

PROJECTS

ForeverNote (JavaScript, Ruby, Rails, React, Redux) || Live & Github
A full stack, 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

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

TECHNICAL EXPERIENCE

Master's Thesis Project || *Charité University*, Berlin, DE (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 Behavioral Brain Research (link)

EXPERIENCE

Research Assistant || *The Rockefeller University*, New York, NY (Sept 2014 - Feb 2017)
- Utilized PRISM and SPSS to assess statistical link between genetic mutation and Parkinson's disease
- Performed full spectrum of molecular assays and animal experimental procedures
- Received acknowledgement in Nature Neuroscience (link)

Assistant Design Editor || *PALS Publishing*, Ithaca, NY (May 2010 - May 2012)
- Streamlined process for conversion of outdated ebook formats to the current InDesign standards, modernizing and future-proofing the working PALS publishing library.

EDUCATION

Full Stack Web Development || *App Academy,* New York, NY (Spring 2017)
- 1000+ hours, immersive coding bootcamp with a competitive < 3% admission rate

M.Sc in Medical Neurobiology || *Charité University*, Berlin, DE (Sept 2012 - May 2014)
- Curriculum Highlights: Intro to MATLAB

B.Sc in Neurobiology and Behavior || *Cornell University*, Ithaca, NY (August 2008 - May 2012)
- GPA: 3.5
- Curriculum Highlights: Intro to CS, Multivariable Calculus