

# Frederico De Paoli

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## TECHNICAL SKILLS

- + Ruby, Rails, SQL, ActiveRecord, HTML, CSS, JavaScript, jQuery, React, Redux, Node, SPSS

## TECHNICAL PROJECTS

**DoodleDocs** - *Responsive online drawing platform used to draw and share sketches*

- + Modularized code using React and Redux to create fast, reusable website navigation
- + Designed custom methods that simulate drawing on HTML Canvas elements, recording each stroke in a component state to allow for undo and redo functionality
- + Validated registrations on both front- and back-ends, and authenticated axios requests using JWT to secure user accounts

**Koko** - *Dynamic, social website where users review songs and vote on others' reviews*

- + Embedded partials and forms using Ruby on Rails and jQuery to display compact, dynamic pages
- + Optimized SQL query algorithms to extract complex information from multiple interconnected tables
- + Used RESTful resource conventions to create an intuitively-navigable website structure
- + Implemented websockets to allow for real-time site updates across users and sessions

**CheckUpOn** - *Single-page webapp that displays a Twitter user's current mood*

- + Linked calls from the Twitter API for a Twitter user, extracting their 10 most recent tweets, to the Google Natural Language API, parsing those tweets for emotional sentiment and magnitude
- + Utilized AJAX requests and jQuery to render new content without page refreshes, producing a clean, efficient look

## EMPLOYMENT HISTORY

**Broach & Stulberg, LLP**, New York, NY

Paralegal, *April 2016 - February 2017*

- + Used Microsoft Excel and ISYS to maintain and optimize extensive legal database with 200+ cases
- + Assisted two partners and one associate attorney with case research, edited briefs and letters, prepared legal documents for court hearings and depositions, and drafted comprehensive reports for clients
- + Analyzed and cross-referenced incoming legal documents and letters for summary production

**Mount Sinai Health System**, New York, NY

Clinical Research Coordinator, *August 2015 - March 2016*

- + Utilized imaging techniques (fMRI, MRS, DTI), genetic assays, and comprehensive psychological evaluations to examine the neurological and peripheral biomarkers of anxiety and mood disorders
- + Recruited, scheduled, and oversaw study subjects for multi-million dollar NIH-funded studies
- + Acted as a liaison between the research group and the Institutional Review Board as well as the Grants and Contracts Office to facilitate ethical approval and financial confirmation of studies' feasibility
- + Drafted and edited research grant applications to be reviewed by the National Institutes of Health

## EDUCATION

**Flatiron School** - New York, NY - 2017

- + Immersive Full Stack Web Development Program

**Cornell University** - Ithaca, NY - 2015

- + Bachelor of Arts in Psychology, cum laude | GPA: 3.76