

PETER J. DELFAUSSE

207 Gough St, #25 • San Francisco, CA • 94102 • **CELL** (917) 710 - 4159 • **E-MAIL** pjdelfausse@gmail.com
PORTFOLIO delisauce.github.io • **GITHUB** [DeliSauce](https://github.com/DeliSauce) • **LINKEDIN** www.linkedin.com/in/peter-delfausse

SKILLS

Ruby, JavaScript, React, React Native, Redux, SQL, Rails, jQuery, Firebase, Webpack, Git, HTML5, CSS3, RSpec

PROJECTS

Team Challenge (React Native, Firebase) | *<Lead developer>* [live](#) | [github](#)
Android/iOS mobile app enabling users to set up challenges with friends in order to push each other to meet goals via daily milestones.

- Linked event listeners to a Firebase realtime database to instantly update data across challenge participants and implemented OAuth 2 sign up.

Sheeple (Rails, React, Redux, HTML) | *<Lead developer>* [live](#) | [github](#)
Full stack web application allowing businesses to hire crowds to create the appearance of popularity and drive demand.

- Built functionality to enable users to sort through worker profiles with search parameters, utilizing ActiveRecord queries on backend to filter results.
- Secured site with password encryption (front and backend validation), including CSRF and SQL injection protection.

EmojiCloud (HTML, CSS, D3) | *<Front end & Project Manager>* [live](#) | [github](#)
Data visualization of Twitter emoji usage.

- Created a emoji cloud visualization of emoji trends with the d3.js force graph, node collision detection, and a size optimization algorithm.
- Utilized Twitter API stream to gather tweets in real time and update cloud.

Fibonacci 144 (JavaScript, CSS, HTML, jQuery) | *<Lead developer>* [live](#) | [github](#)
Sliding block JavaScript game inspired by 2048.

- Controlled gameplay with JavaScript event handlers, rendered block animation using HTML5 Canvas, and created dynamic scoreboard with jQuery.
 - Composed recursive algorithm to handle proper consolidation of sequential blocks.
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EDUCATION

App Academy (Spring 2017)

- Full-stack software development course (<3% acceptance rate)
- Focus on paired programming, data structures and full stack web development

Cornell University, B.A. Mechanical Engineering (Spring 2003, GPA 3.33)

- Curriculum Highlights: Optimization Algorithms, Robotics
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EXPERIENCE

Paralegal/Case Manager *Milbank, Tweed, Hadley & McCloy LLP* (2003 - 2014)

- Managed teams of up to 20 people and coordinated logistics for multi-million dollar trials and arbitrations.
- Created Excel macros to compile attorney document review data and calculate statistics for workflow analysis, resulting in reduction in man-hours & costs.

Self-Employment (2014 - 2016)

- Web development, engineering consultation for development of water-saving devices, tennis instructor, Postmates bicycle courier, volunteer (SXSW Eco, S.F. SPCA)