

Jeffrey DeLiso



GitHub



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PROJECTS

Discors (React, Redux, JavaScript, Rails, PostgreSQL)

Live GitHub

A fullstack, single-page messaging app, inspired by Discord

- Utilizes WebRTC for peer to peer exchange of user audio in real-time.
- Leverages WebSockets to create real-time text chat, direct messaging, and message notifications, avoiding unnecessary AJAX requests.
- Employs sessions table for multi-device logins by capturing HTTP user agent.
- Incorporates custom avatar and icon uploads, stored on Amazon Web Services S3 (AWS), resulting in a more personal user experience.

Rails Lite (Ruby, SQL)

Live GitHub

A RubyGem that emulates the syntax and functionality of Rails

- Incorporates PostgreSQL and SQLite ORM with associations and search.
- Implements MVC functionality of Rails, allowing users to create DRY web apps.

A Loop to the Past (JavaScript, HTML5 Canvas)

Live GitHub

A 2D combat game, inspired by The Legend of Zelda: A Link to the Past

- Utilizes algorithm for enemy AI movement, to enhance player experience.
- Maximizes principles of DRY object-oriented design.

SKILLS

React.js, Redux, JavaScript, Ruby, Rails, jQuery, HTML5, CSS3, SQL, Git

EXPERIENCE

PRIVATE INVESTOR | NEW YORK, NY

2012-Present

Self-Employed

- Analyzed thirty years of stock market data and developed algorithm using excel and VBA to make low risk, consistent annual 15-20% profit.
- Improved algorithm over time by creating private store of relevant data.

DUPONT PROCESS ENGINEER | WILMINGTON, DE

2011-2012

Performance Coatings

- Completed design calculations and issued specifications for new state-of-the-art pilot plant facility.
- Acted as liaison for outside contractors involved in pilot plant construction, evaluating problems and determining appropriate solutions.
- Led team of 5 to safely start-up pilot plant, troubleshooting all unforeseen technical issues that arose.

MERCK CHEMICAL ENGINEER CO-OP | RAHWAY, NJ

2009-2010

Chemical Process Development and Commercialization

- Developed effective continuous centrifugal extraction procedure resulting in a productivity increase of 2-3 metric tons per year.
- Developed spectroscopy apparatus that continuously monitors liquid streams for impurities, remedying color concerns for plant batch under strict time limitations.

EDUCATION

APP ACADEMY | NEW YORK, NY

2018

- Rigorous full-stack software engineering curriculum with < 3% acceptance rate.
- Emphasis algorithms, TDD, pair-programming, and efficient design.

CORNELL UNIVERSITY | NEW YORK, NY

2007-2011

- Bachelor of Science in Chemical Engineering
- GPA: 4.10