Fan Song

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Recent Projects

Full Stack Developer **[Rails, ReactJS]** **feedful.co | Live • GitHub**

Single-page application of RSS feeds with minimalist interface .

- ❏ Implemented RSS fetch and parse feature using Feedjira gem by building an HTTP response on the backend using jbuilder.
- ❏ Built a seamless UI with React-Modal, allowing users to navigate smoothly and read articles with ease.
- ❏ Implemented customized collections and favorites with redux, updating user's data through an AJAX request.
- ❏ Built user authentication validation framework with Bcrypt on the backend with Redux and Bootstrapping on frontend to protect privacy.

Front end Engineer **[JavaScript]** **CellularPaint | Live • GitHub**

A paint game where use can interact with conway's game of life.

- ❏ Integrated HTML5 Canvas with JavaScript, allowing game board to update automatically.
- ❏ Implemented paint functionality with jQuery, so that user can also paint the board with different brush colors and sizes.

Front End Engineer **[ReactJS]** **dota2widget | Live • Github**

Chrome extension allowing user check and add favorite game streams

- ❏ Integrated third-party APIs (Douyu, herostats.io) to fetch streams and game data, allowing user to view online channels.
- ❏ Implemented favorite streams feature using chrome localStorage, allowing users to check if their favorite is online.

Skills

React	Ruby on Rails	Ruby	RSpec	Capybara	jQuery
Redux	Javascript	HTML5	CSS3	git	SQL

Education

App Academy **Sep 2016-Dec 2016**
1000-hour Full Stack Web Development Course San Francisco
with <3% Acceptance Rate

University of Illinois at Urbana-Champaign **2014 - 2016**
Master of Science in Aerospace Engineering, GPA 3.9 Urbana, IL

- ❏ Modeled 3D flow with Fortran using Utexas Supercomputer, and improved the program With OpenMP, reducing computing time by 80%.
- ❏ Simulated 1000 particles transportation in driven cavity flow using Python.

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