

Gregory Rempe

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[LinkedIn](#)

[Github](#)

SKILLS

JavaScript, React, Redux, D3, HTML5, CSS3, jQuery, Ruby, Ruby on Rails, SQL, Git, Heroku, AWS S3

PROJECTS

Emilysflix

[Live Site](#) | [Github](#)

Single-page Netflix inspired video streaming platform using Ruby, JavaScript, React, Redux, CSS3, HTML5.

- Implemented video streaming with AWS S3 allowing for scalability and optimized distribution of video content to users.
- New video rendered on click even when previous is playing by using React and adding a key attribute to HTML video tag to achieve a fast and enjoyable UI/UX.
- Used jBuilder to normalize data at API endpoints into JSON to protect user information and pre-process data for the Redux store.

World Crop Visualization

[Live Site](#) | [Github](#)

Sunburst depicting crops and countries that produce them using D3, JavaScript, CSS3, and HTML5.

- Processed data from .csv file into JSON n-ary tree for faster load time and the sunburst design.
- Incorporated zoom on wedge click to give a better representation of the data.
- Calculate percentages and adjust large numbers into readable formats on the fly for the tooltip to provide users a precise and accurate understanding of the data.

Aether

[Live Site](#) | [Github](#)

Real-time strategy game using JavaScript, CSS3 and HTML5.

- Animated with HTML5 Canvas using HashMaps, Arrays and Event Listeners to interact with player.
- Designed with Object Oriented Programming and Classical Inheritance to create modular components giving rise to a readable and DRY codebase.
- Complemented Canvas animations with CSS3, enabling the user to set difficulty, number of AI players, view credits and provide clear instructions.

EXPERIENCE

Blockchain Specialist

Venture Aviator, Sept 2017 - Oct 2018

- Recommended blockchain technologies, built out business logic, and collaborated with dev teams to outline user stories for clients, reducing project timelines by 20%.
- Raised 2,000,000 dollars from investors for clients by writing analytical whitepapers combining market research and business proposals.
- Acquired 3 clients through networking.
- Raised website conversion rate to 2.5% from 0.2% through SEO and Google Analytics resulting in a 15% increase in clients.

Technical Intern

Sandia National Laboratories, May 2012 - Sept 2015

- Programmed 30 instruments for 100s of experiments using LabView, a visual programming language, and instrument specific programs to become the go to experimentalist for a number of instruments.
- Provided data using Excel and other software to conduct thermogravimetric, absorption, gas and other analyses which set the direction of research and resulted in 3 published papers.
- Assumed supervisory role for high quality work and ran almost all experiments for 2 labs.

EDUCATION

App Academy - 1000+ hour immersive software development course teaching full-stack web development: Rails, SQL, JS, React, TDD, algorithms, design patterns, and best practices. (Spring 2019)

Columbia University - BA - History - Business Management (Spring 2016)