

Ivan Wang MBA,MSSM

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[IvanGit911.github.io](https://github.com/IvanGit911)

[LinkedIn](#)

[Github](#)

SKILLS: Ruby, Ruby on Rails, React, Redux, JavaScript, PostgreSQL, HTML, CSS, MongoDB, Express.js, Node.js

PROJECTS:

MidGreen

[live](#) | [Github](#)

A sustainability journalism website that mimics Medium functionalities built with Ruby on Rails, React, Redux

- ❑ Implemented back and front end user authentication, using BCrypt and React-Router, alongside cookies, to persist logins across sessions.
- ❑ Leveraged active record associations to build a hash of parent and child comments, optimizing lookup speeds within each journal.
- ❑ Applied AWS S3 Web Service together with Rails ActiveRecord to store journal photos in order to reduce server load and increase the scalability of the website.

Streamlines

[live](#) | [Github](#)

A powerful search engine that helps user find streaming services and costs built with MongoDB, Node.js, React, Redux, Express.js

- ❑ Leveraged MovieDB API to search and retrieve TV shows, movies and providers' information based on user input.
- ❑ Cooperated with teammates to maintain a healthy github repository by separating responsibilities with different branches, and creating proper pull requests to ensure no merge conflicts.
- ❑ Utilized Express routes with HTTP methods to store liked TV shows or movies into the user's queue into MongoDB and calculate streaming service subscription cost based on providers for enqueued shows/movies.

SolarVis

[live](#) | [Github](#)

An interactive solar irradiation data visualization website built with JavaScript, D3.js, HTML, SASS

- ❑ Incorporated D3.js to abstract data from selected CSV files to create bar-chart and scatter-plot chart.
- ❑ Constructed mouse-over hovering effect to provide an intuitive way for users to compare the data from a selected month against the remainder of the year.
- ❑ Leveraged D3 built-in brush for zooming to select discrete data points and provide an interactive experience.

EDUCATION:

AppAcademy

Spring 2020

- ❑ An intensive, 1000-hour full-stack web development course with less than 3% acceptance rate

Stevens Institute of Technology

2017-2020

- ❑ Master of Science in Sustainability Management (MSSM)
- ❑ Master of Business Administration (MBA)

Lanzhou University - Bachelor of Science in Atmospheric Science

2010-2014

EXPERIENCE:

Beijing RETEC New Energy Technology Co., Ltd.

Design Director of Engineering

Dec 2015 - Jun 2017

- ❑ Worked as the design director for two Solar Farms to prepare blueprints and technical drawings.
- ❑ Led the department of Helios 3D training and consultancy service for over 100 Chinese design institutions.
- ❑ Successfully provided service totaling over 300 MW of capacity for The Top 5 Power Generation Groups in China.

Technical Consulting Engineer

Oct 2015 - Dec 2015

- ❑ Experienced first hand training in Helios 3D solar plant layout at the Helios 3D Headquarters in Germany.

Technical Consulting Engineer

Aug 2014 - Oct 2015

- ❑ Investigated terrain feasibility analysis with drones on site to reduce heavy in-person tours.
- ❑ Performed detailed wind and solar resource evaluation, solar and wind farms system layout, energy production calculation, and financial profitability assessment.