

ANTHONY MARZE

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TECHNICAL SKILLS

React, Ruby on Rails, JavaScript, SQL, Redux, TDD, HTML5, CSS3, jQuery, Git, Mapbox GL JS, Google Maps API, Node.js, Leaflet, D3.js,

AWS

PROJECTS

Swirl Tracker 6 (JavaScript, HTML5, CSS3, Webpack, Mapbox GL JS, node.js, D3.js)

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

A data visualization tool to view historical hurricane tracks and their associated data at different points in time.

- Developed a responsive UI using HTML inputs to filter geoJSON source-layer properties with Mapbox GL JS events to selectively redraw related vector layers
- Implemented line features with color gradients relating to wind speeds, highlighting the evolution of a storm's lifecycle.
- Synthesized a 200,000 line dataset into targeted geoJSON point and line objects with aggregate properties allowing for quicker rendering when displaying many features

Struggle (Ruby on Rails, JavaScript, React, Redux, CSS3, Webpack, PostgreSQL, Google Maps API)

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

An homage to the workout app Strava. Allows users to create and save workout stats and running or biking routes.

- Serialized route coordinates and distance + elevation data into a postgresSQL database via Google Maps' Routes and Elevation APIs, allowing users to draw, drag, and save custom routes representing their workouts
- Constructed a user signup and login page where email uniqueness and password length are validated at the Rails model level, and users remain logged in across sessions with the aid of cookies
- Generated a user activities form incorporating 6 unique data types which parses current time to autofill activity name and time inputs, allowing for faster data entry

EXPERIENCE

Japan Overseas Investment Co. Ltd. [Live Site](#)

Tokyo, Japan (Remote)

Web Developer (*HTML5, CSS3, JavaScript, PHP, Bootstrap*)

2018 – Present

- Designed a professional, mobile-first website via bootstrap, CSS flex properties, and media queries
- Enabled bilingual (English/Japanese) support with instant switching via a JS script that toggles "lang" tags
- Built a direct messaging form using a PHP script to direct inquiries to the company receptionist's email
- Organized the company's domain registry, hosting, DNS settings, SSL certificates, and employee email addresses

Think English Kids *Primary English Teacher*

Zhuhai, China (2018 – 2019)

- Rewrote the school's summer and winter camp curricula with a STEM focus to cater to parents' interests

Working Holiday Visa *Viticulturist*

Australia & New Zealand (2016 – 2018)

- Maintained vineyards throughout their yearly production life-cycle in Australia and New Zealand

Penn State Geography Dept. *Field Technician (MATLAB, GNU Octave, ArcGIS)*

Central Pennsylvania (2013 - 2014)

- Interpreted ArcGIS slope data with a custom MATLAB script to characterize the studied snake samples' den locations

EDUCATION

App Academy

New York, New York

Curriculum of Study in Fullstack Software Development (Ruby on Rails, JavaScript, React, TDD)

2019

Pennsylvania State University

State College, Pennsylvania

Bachelor of Science in Geoscience (Minor: Geographic Information Systems) GPA: 3.5

2011 – 2015