

SKILLS JavaScript, React, Redux, Ruby on Rails, CSS, SCSS, HTML5, Node.js, SQL, MongoDB, Webpack, jQuery, Git

EDUCATION

Dartmouth College - Biological Sciences - conducted/published international research, awarded REU funding 2016
AppAcademy - Full-Stack Web Development - 1500+ hour software engineering course with < 3% acceptance rate 2020

PROJECTS

Eventech | (*React, Redux, JavaScript, Ruby, Rails, Active Record, PostgreSQL, SCSS, Jbuilder, Heroku*) [live](#) | [github](#)

- + Incorporated custom client-side auth validations to avoid unnecessary AJAX requests, improving performance
- + CRUD for event management, user registrations, and user likes via custom transactional database operations
- + Leveraged React Redux's state management system to ensure real time update of registrations, likes, and filtering
- + Threaded data for form inputs across multiple React components in multi-tab forms, binding submissions to parent
- + Optimized CSS Grid Layout, CSS Flexbox and JSX to design a clean, pixel-perfect [Eventbrite](#) clone with intuitive UI
- + Implemented secure backend authentication with BCrypt hashing in Rails model, and custom route in React router
- + Stored user image uploads on Amazon Web Services S3 (AWS) for an optimal cloud-based storage system

The Tellurian | (*MongoDB, Mongoose, Express, JavaScript, React, Redux, Node.js, AM Charts, Axios, Git*) [live](#) | [github](#)

- + Identified market-gap in online international news browsing with creative solution
- + Integrated AM Charts with custom features to execute the map and practice code-reading a sophisticated library
- + Employed Git workflow for appropriate branching of team member's work, managed conflict-free merging
- + Applied user-focused design (country search feature, tab closures for data pop-outs, copy-to-clipboard article links)
- + Leveraged cross-domain Axios requests to asynchronously fetch across multiple APIs
- + Normalized API responses from various news sources for seamless integration and scalability
- + Generated flexible schemas with Mongoose object data modeling, saved to a NoSQL MongoDB cloud database

SansuiSounds | (*JavaScript ES6, HTML5, Canvas, SCSS, Webpack*) [live](#) | [github](#)

- + Practiced using vanilla JavaScript to build features that explore the under-the-hood capabilities of typical libraries
- + Designed custom Canvas item collision detection with Pythagorean theorem calculating distance between a mouse down event and the assigned coordinates of all items in the Canvas
- + Designed custom drag-and-drop with mouse up/move/down event-listeners and collision offset for smooth drag
- + Implemented an array of customized item image objects to optimize dragging updates for seamless re-draw UX

EXPERIENCE

Post-Production Coordinator & Business Development Lead [company site](#)
Osmosis Films LLC Aug 2018 - Oct 2019

- + Pitched, budgeted, scheduled, and developed all incoming projects, coordinated with internal production team, managed team of freelancers, and interfaced with all current and potential account holders,
- + Took initiative to research a new digital media asset management system, presented several options to CEO, and managed resulting installation and implementation to improve production turnover speed, cross-team efficiency, and media longevity, bringing in tens of thousands of dollars in increased revenue
- + Centralized and restructured purchase orders and budget spreadsheets to improve speed, minimize human error

Freelance Media Producer & Editor [IMDb](#)
Employers: theSkimm, Michael Moore, Ken Burns, David Letterman, Elizabeth Banks, Netflix, HBO June 2016 - Dec 2020

- + Generated short and feature films and podcasts, adapted to each company's editing software "stack", quickly self-taught to execute on deliverables using Adobe Premiere, After Effects, Avid Media Composer, or Final Cut
- + Designed and maintained customized archival databases for projects, tracking up to 10,000+ assets per project