

Samantha Ostrowski

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[Github](#) | [Medium](#) | [LinkedIn](#)

SKILLS

React, Redux, JavaScript (ES6), Rails, Ruby, ActiveRecord, PostgreSQL, SQLite3, Heroku, Netlify

TECHNICAL PROJECTS

Goodtheater - [Github \(backend\)](#) | [Github \(frontend\)](#) | [Demo](#) | [Live App](#)

Theater cataloging website allowing enthusiasts to find and save their favorite musicals and plays (Goodreads clone)

- Employed Redux and Redux-Thunk to manage app state and asynchronous calls in a centralized location
- Utilized JSON Web Tokens and localStorage to store encrypted user information client-side
- Scraped ibdb.com to seed backend musicals database

Technologies: React, Redux, Rails, PostgreSQL

Scheduling Calendar - [Github \(backend\)](#) | [Github \(frontend\)](#) | [Demo](#) | [Live App](#)

Single-page application (SPA) for busy professionals to quickly take notes and block out days on the calendar

- Created object-oriented JavaScript frontend that generates a visual, grid-based calendar that saves automatically
- Included a search feature to dynamically filter through saved calendars
- Deployed Rails as an API for AJAX/JSON calls, following RESTful conventions

Technologies: JavaScript, Rails, PostgreSQL

Financial Resource Viewer - [Github](#) | [Demo](#) | [Live App](#)

Content management system for authors to post, view, and rate grants, fellowships, and other sources of funding

- Engineered a full Ruby on Rails web application without the scaffold generator
- Designed table schema, model associations, and ActiveRecord scope methods
- Implemented third-party signup/login via OmniAuth for Google

Technologies: Rails, SQLite3, Foundation

PubAdvance - [Github](#) | [Demo](#) | [Live App](#)

Publication advance tracking system allowing authors to self-report compensation, aimed to help decrease pay disparity

- Developed a model-view-controller (MVC) application employing Sinatra DSL
- Authenticated users at login via bcrypt and sessions
- Integrated ERB and Bulma CSS framework for responsive front-end interface

Technologies: Sinatra, SQLite3, Bulma

EXPERIENCE

The Earth Institute, Columbia University

New York, NY

Associate Director, Graduate Programs in Sustainability Management and Science

04/2020 - Present

- Oversee 2 M.S. and 3 certification programs with 400 students, 70 faculty, \$4.8 million budget, and 2 direct reports
- Devised systems to streamline workflows and handle influx of 100 more students than expected across 2020-2021

Senior Program Manager (promoted from Program Manager 07/2019)

03/2017 - 04/2020

- Managed student programs (\$200k) and Postdoctoral Research Program in Sustainable Development (\$700k)
- Winner, Distinguished Staff Award (2019)

Prior experience includes roles in Publishing and Higher Education.

EDUCATION

Flatiron School, Full Stack Web Development, Ruby on Rails and JavaScript program, Online

11/2020 - 09/2021

FreeCodeCamp, Legacy Front End Certification, Online

07/2015 - 12/2016

Yale School of Forestry and Environmental Studies, MESc, New Haven, CT

05/2013

Amherst College, BA, Environmental Studies, Magna cum Laude with Distinction, Amherst, MA

05/2010