Madeline Corman

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SOFTWARE ENGINEER

Software engineer with experience in Ruby and JavaScript frameworks. With an academic background in Chemistry and past experience in technical sales, I possess both an analytical attention to detail and strong interpersonal abilities. I am excited to flex these skills in an endeavor to solve challenging problems and build innovative projects.

EDUCATION

Flatiron School   03/2020
Full Stack Web Development, Ruby on Rails and JavaScript program.

University of Oxford, Oxford, United Kingdom   09/2017
Integrate Master's Degree in Chemistry (MSci)
Master's Thesis: A combined solid-state NMR, single-crystal X-ray, and DFT study of host-guest complexes and metal cyanide chains

TECHNICAL SKILLS

Ruby on Rails, JavaScript, React, React Native, HTML, CSS, Git

TECHNICAL PROJECTS

Trippin - Frontend | Backend | Demo
A day-trip planning app where users may search for nearby attractions, restaurants, museums, etc. and build out a schedule with their chosen destinations.
- Built on a Ruby on Rails backend API with React Native frontend for on-the-go use. Custom CSS styling.
- Employed Google Geocoding and Google Places APIs to populate search results with destinations from anywhere in the world.
- Incorporated React Native DatePicker so users can view Trips and Schedules in chronological order.
- Embedded a Google Maps View so users may visualize the relative distance between the destinations on their schedule.

NutriPal - Frontend | Backend
A nutrition and weight tracking app where users may build out a daily food diary with their chosen foods, view the associated nutritional breakdown, and track their body weight.
- Built on a Ruby on Rails backend with React frontend. Styled with a combination of Semantic UI and CSS.
- Made use of Edamam Food Database API to provide nutritional information on thousands of food items.
- Visualized weight data over time with React-Vis data visualization components.

Bill and Ted's Excellent SuperStore - Frontend | Backend | Demo
An e-commerce app where users may buy and sell products as well as manage their inventory.
- Built on a Ruby on Rails backend with React frontend. Styled using Semantic UI.
- Implemented SessionStorage to persist simple user data throughout the user's session.
- Utilized React Router to give single-page application a better UI and accommodate actions like bookmarking and navigation throughout the app.

CodeHub - Frontend | Backend | CodeHub | Demo
A central hub of coding tutorial videos, organized by language, to simplify learning to code.
- Built on a Ruby on Rails backend with vanilla JavaScript frontend. Custom CSS styling.
- Designed database schema and logic using PostgreSQL to allow for deployment.
- Embedded YouTube video player in single-page application to ensure the user does not have to navigate away from the app to watch the content.

EXPERIENCE

Sales Development Representative, **BrightTALK**, New York, NY   04/2018 - 11/2019
- Drove lead generation from mid-market sized technology and cybersecurity companies
- Crafted unique, relevant email, and phone outreach to drive interest in BrightTALK products.
- Sourced new sales opportunities that resulted in over $500,000 of closed-won revenue.