Paola Dolcemascolo (she/her/hers)
Full-Stack Software Engineer
Union, NJ | 908-416-5987 | [Email](#) | [Github](#) | [Blog](#) | [LinkedIn](#)

Full stack web developer with a passion for exploring the intersection of technology and data visualization. With experience in Ruby on Rails, Javascript and React, and a PhD in Environmental Management, I discovered web development through research enhanced by the use of cutting edge technologies. Strong project management and communication skills are the result of my extensive teaching background and my bilingual upbringing along with studying Latin deepened a love for learning the intricacies of any language. I am a loyal, dedicated individual who wants to make a meaningful impact. Nature lover who gets excited over reptiles and amphibians.

TECHNICAL SKILLS

Ruby, Rails, SQL, JavaScript, React, Redux, HTML, CSS, Material UI, Postgres, Google Map API

TECHNICAL PROJECTS

NatureBook - [Frontend](#) | [Backend](#) | [Demo](#)
An app designed to encourage the exploration of nature by younger children
- Utilized JSON Web Tokens and localStorage to store encrypted user information client-side
- Built backend APIs using Ruby on Rails and the MVC pattern to store information on users, organisms and wildlife sightings created by users
- Implemented user interface using React and dynamic routes, along with Material UI and custom CSS for styling
- Integrated Google Maps API with React to store and display wildlife sightings created by users at specific latitude and longitude coordinates

Trinder - [Frontend](#) | [Backend](#) | [Demo](#)
An app designed to help connect outdoor enthusiasts to trips and events taking place in America's National Parks
- Utilized the National Park Service API to pull and parse data on America's National Parks based on user input
- Utilized JSON Web Tokens and localStorage to store encrypted user information client-side
- Built backend APIs using Ruby on Rails and the MVC pattern to store information on users and trips created by users in specific National Parks
- Implemented user interface using React and dynamic routes, along with custom CSS

FlatironGossipGirls - [Frontend](#) | [Backend](#) | [Demo](#)
An app for the gossip lover to keep up to date with all the latest trending celebrity news
- Built backend APIs using Ruby on Rails and the MVC pattern to create endpoints for Users, Celebrities and Posts
- Developed frontend using vanilla Javascript and custom CSS for an engaging and interactive user interface

EXPERIENCE

Berkeley College   NYC, NY
Professor   09/2014 - 12/2019
- Orchestrated a 20% increase in student engagement and positive reviews of Math and Science Department classes by using diverse teaching methodologies and student advisement activities
- Spearheaded initiative to improve student comprehension by 10% and streamline budget calculations via data collection on the effectiveness of science lab activities

Wildlife Conservation Society   NYC, NY
Molecular Biologist   09/2016 - 01/2019
- Enhanced the efficiency of an iOS mobile app in the analysis of environmental DNA samples for the detection of fungi, turtles and endangered sharks
- Mobilized quality control testing of novel MinIon mobile flow cell technology for DNA and RNA sequencing
- Acquired funding for the implementation of technology to combat wildlife crime via authorship of grant proposals

EDUCATION

Flatiron School   NYC, NY
Full Stack Web Development, Ruby on Rails and JavaScript program   09/2020 - 09/2020
06/ 2020 - 09/2020

Montclair State University   Montclair, NJ
PhD, Environmental Management   05/2014