

Sylvia Pap

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[Github](#) | [Blog](#) | [Personal Site](#) | [LinkedIn](#)

SOFTWARE ENGINEER

Experienced in Ruby on Rails and JavaScript based programming with a background in philosophy, law, and international relations. I pride myself on my organizational skills, analytical thinking, curiosity, and genuine love for programming and computer science. I aspire to use technology broadly to correct social ills and provide more free and open access to basic human rights, especially healthcare. Curious and passionate about learning more in data science, artificial intelligence, and machine learning. Fluent in Spanish and proficient in French.

TECHNICAL SKILLS

React, Redux, JavaScript, Ruby, Rails, Python, Flask, SQL, HTML, CSS, Git, JSON, Markdown, PostgreSQL, API Development, SQLAlchemy/SQLite, TensorFlow.js, Google Maps and Translate APIs, Heroku, Netlify, GitHub Pages

TECHNICAL PROJECTS

COVID-19 Tracker - Github: [Frontend](#) | [Backend](#) || [Live Site](#)

Racoon (*anagram of 'corona'*) checks users' symptoms and posts to a world map for tracking self-reported data

- Implemented Google Maps Javascript API/google-maps-react library and Infermedica COVID-19 triage API
- Utilized JSON Web Tokens and localStorage to store encrypted user information client-side, BCrypt server-side
- Rails API backend endpoints for users, current user, map markers, comments, bookmarks, symptoms, diagnoses
- Managed state, user experience, and scalability with React, Redux, and asynchronous requests with Thunk
- Collaborated with UX/UI designer to implement fully customized CSS (no imported CSS frameworks or libraries)
- Deployed backend and frontend to Heroku, using PostgreSQL, create-react-app-buildpack, Heroku command line

Subscription Manager - Github: [Frontend](#) | [Backend](#)

Web application for tracking and budgeting personalized subscriptions to paid monthly services

- Utilized JSON Web Tokens and localStorage to store encrypted user information client-side, BCrypt server-side
- Developed a Rails API backend with endpoints for users, subscriptions, and companies
- Used React components, life cycle methods, props, and state
- Combined Semantic UI and custom CSS for user interface

Talkr - [Github](#)

Full-stack Ruby on Rails messenger application that auto-translates all messages to user's preferred language

- Worked with peers to create a full CRUD, MVC application with frontend and backend in Rails
- Used BCrypt Ruby gem and Rails sessions to store and encrypt user information for authentication
- Google Translate API to detect languages and translate all messages automatically to user's preferred language
- Created resources for users, chats, messages, languages, and contacts, utilizing self-referential models

PROFESSIONAL EXPERIENCE

Blue Ivy Educational Coaching

Math Coach

Mexico City, Mexico

10/2019 - 01/2020

- Instructed students on SAT Math principles, testing strategies, organization, and U.S. college admission process

Vogel, Slade, & Goldstein, LLP

Paralegal

Washington, D.C.

08/2017 - 08/2018

- Researched case law for False Claims Act attorneys representing whistleblowers reporting corporate fraud against the government, using Microsoft Office, Google Suite, WestLaw, and various other legal documentation platforms

EDUCATION

Flatiron School

Full Stack Web Development, Ruby on Rails and JavaScript program

San Francisco, CA

01/2020 - 05/2020

London School of Economics

Master of Science in the Theory and History of International Relations

London, UK

09/2018 - 09/2019

The University of Chicago

Bachelor of Arts in Philosophy, Economics and Psychology

Chicago, IL

09/2013 - 06/2017