

# Sylvia Pap

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

## SOFTWARE ENGINEER

Full stack software engineer with experience in web development using Ruby, JavaScript, Python, Rails, React, and Flask. Studying philosophy, law, and international relations gives me unique insight and passion for combining social sciences with technology to deliver meaningful change. I pride myself on my organizational skills, analytical thinking, written communication, curiosity, and genuine love for programming and computer science. Driven to provide more open access to human rights and to correct institutional inequalities through automation, particularly in the healthcare and legal industries, through data science, machine learning, and artificial intelligence. Fluent in Spanish, proficient in French.

## TECHNICAL SKILLS

React, Redux, JavaScript, Ruby, Rails, Python, Flask, SQL, HTML, CSS, Git, PostgreSQL, API Development, Testing, SQLAlchemy, SQLite, TensorFlow, Google APIs, Heroku, Netlify, GitHub Pages, Bootstrap, Semantic UI, Markdown

## 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

- Incorporated Google Maps Javascript API/google-maps-react library and Infermedica COVID-19 triage API
- Used 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.js, Redux, and asynchronous requests with Thunk
- Collaborated with UX/UI design peer to implement fully customized CSS, original design, color scheme, and logo
- Deployed to Heroku using PostgreSQL, React buildpack, configuration management, Google quotas and restrictions

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

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

- Created a React.js frontend with multiple components, utilizing life cycle methods, props, and state
- Used 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
- Combined Semantic UI and custom CSS for user interface

**Talkr** - [Github](#) | [Live Site](#)

Chat application with Google Cloud Translation to display all messages in user's preferred language

- Worked with peers on full CRUD, MVC (Models, Views, Controllers) frontend and backend using Ruby on Rails
- Used BCrypt Ruby gem and Rails sessions to store and encrypt user information for authentication
- Incorporated Google API to detect languages and translate all messages automatically to each user's language
- Created resources for users, chats, messages, languages, and contacts, utilizing self-referential models
- Deployed to Heroku using a Google Cloud buildpack and configuration variables to ensure credential security

## WORK EXPERIENCE

**Blue Ivy Educational Coaching, Math Coach**

**Mexico City, Mexico** 10/2019 - 01/2020

- Improved students standardized testing strategies, organizational skills, and U.S. college admission process

**Vogel, Slade, & Goldstein, LLP, Paralegal**

**Washington, D.C.** 08/2017 - 08/2018

- Conducted research for False Claims Act attorneys representing whistleblowers reporting fraud, with a focus on healthcare, Medicare, and Medicaid, using legal documentation platforms such as WestLaw and LexisNexis

## EDUCATION

**Flatiron School**

*Full Stack Web Development/Software Engineering, Ruby on Rails and JavaScript program*

**San Francisco, CA**

01/ 2020 - 05/2020

**London School of Economics**

*Master of Science in Theory and History of International Relations, with Merit*

**London, UK**

09/2018 - 09/2019

**The University of Chicago**

*Bachelor of Arts in Philosophy, Economics and Psychology | GPA: 3.59*

**Chicago, IL**

09/2013 - 06/2017