# Priya Pai

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**Education:**

**Columbia University, Columbia College**, New York, NY     May 2020
**Bachelor of Arts** | **Double Major in Computer Science & English Literature** | GPA: 3.9 | cum laude, English Honors

**Skills:**

- **Programming Languages:** Ruby on Rails, Python, SQL, R, Java, HTML/CSS, JavaScript (JQuery, React)
- **Technologies:** AWS (Lambdas, EB, Cloudwatch, IAM, SQS, S3), Postgres, Docker, unit and feature testing (rspec, Capybara, Selenium)

**Relevant Experience:**

**Libro.fm Audiobooks** (Remote)     Oct 2020 - present
*Software Engineer*
- Full-stack development using Ruby on Rails, Postgres, and Docker containers. Manage and support AWS infrastructure (Elastic Beanstalk, Cloudwatch, S3, Lambdas). Correspond with product and marketing teams to develop new features and address bugs.
- Write REST API endpoints as needed to support iOS and Android development.
- Engineered a content system from scratch to automate audiobook metadata and audio asset ingestion, parsing, and processing for over 250K books. Wrote Python parsers for XML, XLS/XLSX audiobook metadata files and Python & Ruby scripts to process covers, audio tracks, and PDF assets. Implemented scripts into AWS lambdas with S3 event triggers, IAM permissions, and SQS.
- Led project to migrate payment processor from Stripe to Braintree (PayPal). Implemented Braintree API for a la carte purchases and memberships and expanded webhook/purchasing test suite. Rolled over all active subscriptions with no failures.
- Developed a Bookstore Finder to enable users to find their closest local bookstore by zipcode or address. Designed and rendered map behavior using Mapbox's GL JS API, Ruby on Rails, and JS. Added geocoding and location-based search using Mapbox's Search API.

**UChicago Urban Labs** Chicago, Illinois (Remote)     June 2020 – Sept 2020
*Data Research Assistant – Inclusive Economy Lab*
- Conducted Quasi-Experimental Study on Chicago nonprofits serving first-gen college students. Used R to clean large open datasets, summarize data characteristics (stargazer, prop tables), and run regressions & statistical tests to model and analyze data.

**Columbia University Department of Computer Science** New York, NY
*Human-Computer Interaction Research Assistant for HCI Professor Lydia Chilton*     Jan 2020 – June 2020
- Co-led [Public Interest Technology Summer Lab](Public Interest Technology Summer Lab) (June 8-26). Advised cohort of 12 undergraduate and graduate students on technical and analytical research projects (web applications, data-driven reports, data visualizations) on civic technology ideas.
- Developed HCI Design curriculum & content for Summer Lab and pilot Public Interest Technology fall course at Columbia

*Teaching Assistant for User Interface Design, an upper-level undergraduate course*     Jan 2020 – May 2020
- Taught web design skills (HTML/CSS, JS/JSON/JQuery, Flask) to over 230 students during office hours, online Piazza forum, and in class; helped develop curriculum and grade students' problem sets

**Adobe** San Jose, CA     May 2019 – August 2019
*Deep Learning Research Intern – Creative Intelligence Lab*
- One of 9 undergrads selected nationwide; conducted research in deep learning, digital video narratives, and app development
- Developed an iOS app (Objective-C) ) that employed deep learning models and tools (CoreML, OpenCV, MobileNetV2, EmotionNet) to choose high emotion moments given a 5 second live video stream
- Presented research findings about using deep learning models on mobile to Adobe researchers and product teams

**American Civil Liberties Union** New York, NY     Sept – Dec 2018, Sept – Dec 2019
*Data Science Intern – Legalytics & Advocacy*
- Cleaned, aggregated, analyzed, and visualized national and state-specific evictions data using R scripts (tidyverse-dplyr, janitor, ggplot2); reported data analysis, trends and overall conclusions in a R Markdown for lawyers to use in eviction cases
- Used Python (Pandas) to make API calls and wrangle 2017-2018 drug arrest data from FBI database; analyzed data to determine trends based on race and gender, broke down data by state trends;
- Wrote and ran SQL queries and R scripts on voter database files; created data visualization models to inform business decisions with mobilizing the public to vote in 2018 Midterm Elections

**HCSS Software** Sugar Land, TX     May 2018 – August 2018
*Software Development Intern - Telematics Team*
- Developed new website features using LINQ, SQL Server Management Studio, and ASP.NET MVC