**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/Technical Languages:** Python, R, SQL, Java, HTML/CSS, Javascript (JQuery, React, Socket.io)
* **Technologies:** Tableau, Jupyter, RStudio, Git/Version Control, Jira, SQL Server Management Studio, Google Analytics
* **Honors:** 2019 Adobe Research Women in Technology Scholar, 2018 VIP Women in Technology Scholar, Columbia Dean’s List

**Relevant Experience:**

**UChicago Urban Labs** Chicago, Illinois (Remote, Contract) June 2020 – present

*Data Research Assistant – Poverty Lab*

* Use R to clean large open datasets (tidyverse-dplyr), summarize data characteristics (stargazer, prop tables), and run regressions & statistical tests to model and analyze data (t-tests, z-tests, log regs, linear regs, etc.);
* Current Project: Write R scripts to conduct Quasi-Experimental Study on Chicago nonprofits serving first-gen college students

**Columbia University Department of Computer Science** New York, NY

*Human-Computer Interaction Research Assistant for Professor Lydia Chilton* Jan 2020 – June 2020

* Co-led [Public Interest Technology Summer Lab](https://engineering.columbia.edu/news/grant-curricula-technology-design) (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

**American Civil Liberties Union** New York, NY Sept – Dec 2018, Sept – Dec 2019

[*Data Science Intern*](https://medium.com/aclu-tech-analytics/manifesting-tech-for-social-good-my-aclu-internship-experience-be32c431a5c3) *– 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 upcoming eviction case
* 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; data analysis will be used in upcoming drug reform advocacy
* Programmed Python scripts to analyze Civil Rights Data Collection data to understand correlation between disabled students and discipline referrals; collaborated with Disability Rights branch of ACLU
* 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

**Adobe** San Jose, CA May 2019 – August 2019

[*Deep Learning Research Intern*](https://research.adobe.com/news/coding-between-the-lines-an-internship-in-deep-learning/) *– Creative Intelligence Lab*

* One of 9 undergrads selected nationwide; conducted research with Adobe researchers, Fabian Caba Heilbron and Joon-Young Lee, in deep learning, digital video narratives, and app development
* Developed an iOS app (Objective-C, XCode, etc.) 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, creative ways to dynamically build digital video narratives, and the app to Adobe researchers and product teams

**HCSS Software** Sugar Land, TX May 2018 – August 2018

*Software Development Intern - Telematics Team*

* Used LINQ, SQL Server Management Studio, and ASP.NET MVC to create and add Custom Reporting functionality to Telematics website; web feature allows users to customize report filters and combine various equipment and fuel reports
* Collaborated with design team to create new user interface for website’s Device Manager feature using HTML/CSS/JS/C#
* Streamlined GPS Device Deactivation/Reactivation process by programming link between clients’ SQL databases and Device Manager; feature allows users to independently deactivate devices as opposed to making several support calls and emails

**Activities & Leadership:**

**Web Editor of Columbia Undergraduate Literary Magazine, *Quarto*** Sept. 2016 – May 2020