

Education

HARVARD COLLEGE

Anticipated Double Concentration in Statistics (Data Science track) and Government.

Cambridge, MA
May 2025

Technical Skills

Programming: R, Python, HTML, CSS, SQL, Java.

Web Development: pranayvarada.com, geogenius.org, harvardcollegepianosociety.com. Experience with Figma.

Experience

HARVARD COLLEGE STATISTICS DEPARTMENT

Teaching Fellow – Stat 110

Cambridge, MA
September – December 2022

- Led weekly sections and office hours to help teach key concepts in probability.
- Assisted with grading and creating materials for Harvard's largest undergraduate course (~750 students).

INTERNAL REVENUE SERVICE

Civic Digital Fellow – Data Science

Remote work
June – August 2022

- Investigated the efficiency of general and customized versions of Google's BERT language model in generating text embeddings and labeling IRS.gov webpages.
- Automated the webpage classification process, providing taxpayers more useful information through metadata and furthering the IRS's mission of improving accessibility.
- Explored the functionality of Python packages such as tensorflow and transformers in order to write scripts to semantically classify texts into 14 predetermined categories.

REROOT

Co-Founder & UX Researcher

Cambridge, MA
October 2021 – May 2022

- Worked with a team to develop reRoot (reroot.me), a decision-making support platform using U.S. Census data to help members of minority and disenfranchised communities with migration needs.
- Conducted feedback interviews with user advocates and community partners.
- Finalist in the MIT IDEAS Social Innovation Challenge following a semester-long U.S. Census data sprint.

Projects & Activities

HARVARD SPORTS ANALYSIS COLLECTIVE

September 2021 – present

- Participated in the NFL's Big Data Bowl, using machine learning methods in Python to evaluate how the skill of teams' offensive lines affects quarterbacks' pocket area on passing plays.
- Used data analysis to investigate the relationship between NFL teams' salary management and yearly success.

STATISTICS 139: LINEAR MODELS

September – December 2022

- Applied statistical modeling practices in R to analyze factors that affect soccer players' transfer values, as well as how the relationships between these factors change with differences in league quality.

HARVARD INTERNATIONAL REVIEW

Solicits Chair & Executive Content Editor

Cambridge, MA
September 2021 – present

- Directing a team conducting interviews with dignitaries and experts from around the world, including Timor-Leste President and Nobel Peace Prize laureate José Ramos-Horta.
- Published articles dissecting great power dynamics in the South Pacific and resource management in Mongolia.

HARVARD UNDERGRADUATE FOREIGN POLICY INITIATIVE

Deputy Director of Domestic Conferences

Cambridge, MA
September 2021 – present

- Co-leading a collection of five teams of policy researchers in dialogue with Fudan University in Shanghai on common guidelines for emerging technological fields.
- Organizing a conference in partnership with Fudan for February 2023 with speakers from both countries and workshops focused on avenues for U.S.-China cooperation.