

## Education

### **HARVARD COLLEGE**

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

Cambridge, MA  
May 2025

## Experience

### **WORLD DATA LAB**

#### **Data Science Intern**

Vienna, Austria  
June 2023 – present

- Presenting regional and demographic breakdowns and forecasts of market growth to major current and prospective partners such as L'Oréal, leveraging World Data Lab's novel data science approaches to develop strategic business opportunities in emerging markets.
- Building predictive models for future global and national consumer spending on food, beauty products, and oral care, creating opportunities for targeted market research across age and spending groups.
- Tackled missingness issues in leading economic data sources through linear and boosted regressions, providing reliable indicators for market modeling and enabling business strategy even in data-deficient economies.

### **HARVARD COLLEGE STATISTICS DEPARTMENT**

#### **Teaching Fellow – Stat 110**

Cambridge, MA  
September – December 2022

- Led weekly sections and office hours to teach key concepts in probability, such as conditional independence, expected value, and distributions of random variables.
- Assisted with creating teaching materials and grading for Harvard's largest undergraduate course (~750 students).

### **INTERNAL REVENUE SERVICE**

#### **Civic Digital Fellow – Data Science Intern**

Remote work  
June – August 2022

- Furthered the IRS's mission of improving accessibility to taxpayers by automating the webpage classification process, providing taxpayers with useful metadata to quickly find relevant information.
- Investigated the efficiency of general and customized versions of Google's BERT language model in generating text embeddings and labeling webpages, enabling non-English speakers to more readily access tax information.

### **REROOT**

#### **Co-Founder & UX Researcher**

Cambridge, MA  
October 2021 – May 2022

- Worked with a team to develop reRoot, a decision-making support platform using U.S. Census data to help members of prospective migrants figure out the optimal location for them to move to.
- Finalist in the MIT IDEAS Social Innovation Challenge following a semester-long U.S. Census data sprint.

## Projects & Activities

### **HARVARD SPORTS ANALYSIS COLLECTIVE**

#### **Soccer Team Lead**

Cambridge, MA  
September 2021 – present

- 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.
- Participated in the NFL's Big Data Bowl, using machine learning methods in Python to evaluate how offensive line skill affects quarterback pocket area on passing plays.

### **HARVARD INTERNATIONAL REVIEW**

#### **Solicits Chair & Executive Content Editor**

Cambridge, MA  
September 2021 – present

- Directing a team conducting interviews with dignitaries and international affairs experts from around the world.
- Brought new perspectives to 400,000+ global readers, including interviews with Timor-Leste President and Nobel Peace Prize laureate José Ramos-Horta, as well as leaders in fields such as space law and language revitalization.
- Published articles dissecting great power dynamics in the South Pacific and resource management in Mongolia.

## Technical Skills

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

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