

## Pranay Varada

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### Education

#### HARVARD UNIVERSITY

B.A. in Statistics (Data Science track) and Government, secondary in Computer Science. GPA: 3.99.

Cambridge, MA

May 2025

### Work Experience

#### WORLD DATA LAB

##### Data Science Intern

Vienna, Austria

June – August 2023

- Developed and presented breakdowns and forecasts of market growth to industry-leading clients such as L'Oréal and McKinsey, leveraging predictive analytics to highlight strategic business opportunities of over 6% annual growth in emerging markets.
- Built forecasting models in R 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 in 180 countries.
- Tackled missingness issues in leading economic data sources through linear and boosted regressions, providing reliable core indicators for market modeling up to the year 2034.

#### HARVARD UNIVERSITY DEPARTMENT OF STATISTICS

##### Teaching Fellow – Stat 110: Introduction to Probability

Cambridge, MA

September – December 2022

- Facilitated upper-level instruction and student evaluation for Harvard's largest undergraduate course, teaching key concepts in probability in weekly sections and office hours.

#### INTERNAL REVENUE SERVICE

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

Remote work

June – August 2022

- Improved the accuracy of automated webpage classification from 20% to 50%, furthering the IRS's mission of enhancing accessibility to taxpayers by providing them with useful metadata, using NLP libraries in Python.
- Investigated the efficiency of general and customized versions of Google's BERT language model in generating text embeddings and webpage tags, suggesting next steps to reach 20 million non-English-speaking taxpayers.

#### REROOT

##### Co-Founder & UX Researcher

Cambridge, MA

October 2021 – May 2022

- Collaborated with 5 graduate students to develop reRoot, a support platform using U.S. Census data to help members of prospective migrants figure out the optimal location for them to move to, given their desired factors.
- Received \$1,000 in funding as a finalist in the 2022 MIT IDEAS Social Innovation Challenge.

### Projects & Activities

#### HARVARD OPEN DATA PROJECT

##### President

Cambridge, MA

April 2024 – present

- Lead Harvard's largest undergraduate data science community, managing a 100-student organization.
- Partner with Harvard agencies to improve data transparency, including academic, dining, and policing data.
- Run 12-week-long bootcamps teaching data science in Python to 25 new members each semester.

#### HARVARD SPORTS ANALYSIS COLLECTIVE

##### Editor in Chief

Cambridge, MA

December 2023 – present

- Helming the country's leading collegiate sports analytics blog, with an annual readership of over 15,000.
- Worked with NJ/NY Gotham FC to improve strategy by developing interactive postgame reports with R Shiny.
- Used machine learning methods in Python to evaluate how offensive line skill affects quarterback pocket area on over 10,000 passing plays, in a project for the NFL's Big Data Bowl.

#### HARVARD INTERNATIONAL REVIEW

##### Solicits Chair & Executive Content Editor

Cambridge, MA

January 2023 – present

- Directing a 10-person team conducting interviews with dignitaries and international affairs experts worldwide.
- Bringing 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 space law and language revitalization.