Alejandra J. Perea Rojas   aperearojas@college.harvard.edu
Alejandra's Site 🌐

Education
Harvard University   Cambridge, MA
- A.B. Candidate in Computer Science.   May 2024
- Relevant coursework: Multivariable Calculus, Linear Algebra,
  Introduction to Probability, Applied Linear Algebra and Big Data, Mechanics,
  Electromagnetism, Abstraction and Design in Computation, and Systems
  Programming and Machine Organization.

Skills
Technical: C++, Python, PHP, HTML, CSS, JS, Java, OCaml, Matlab, LaTeX, Mathematica.
Languages: Spanish (native), Mandarin Chinese (intermediate), and Japanese (beginner).

Relevant Experience PAWS - Software Engineer   Cambridge, MA
- Helping deploy a new version of the infrastructure of PAWS.   Jun 2022-Present

Wildlife Conservation Society   Remote
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C Minds Through The Remote Summer Program at DRCLAS   Remote
- Worked at a women-led action tank for ethical AI in Mexico.   Apr-Aug 2021
- Assisted in the early stages of installing a Living Lab in Yucatan
  and a Diabetic Retinopathy AI-based Screening Program in Jalisco.
- Helped draft policy briefs to overcome algorithmic discrimination.

Yale Summer Program in Astrophysics - Student Researcher   New Haven, CT
- Modeled the orbit and physical characteristics of the asteroid   Jun-Aug 2018
  2002 UX. Supervised by Dr. Michael D. Faison, Ph.D.

Remote Engineering Project - Software Engineering Assistant   Remote
- Spoke at the 235th A.A.S. conference in Honolulu, HI.   January 2020
- Engineered a web-based interface that uses machine learning   2017-2019
  to determine the unknown physical parameters of stars.
  Supervised by Dr. Earl Bellinger, Ph.D. (*abstract here*).

Leadership & Activities
Women in Computer Science - DIB Advocacy Director   Cambridge, MA
- Diversity and Inclusion

Act on a Dream - Intersectionality Chair   Remote
- Taking initiatives to uphold the diversity of Harvard's campus   Jan 2021-Dec 2021
  by hosting of a virtual club fair and social media engagement.

Harvard University Foreign Policy Initiative - Policy Chair   Remote
- Led the drafting and research for a policy project on rebuilding   Jan-May 2021
  democracy in Peru (*policy brief here*).
- Helped draft a policy brief on human rights violations of Uyghurs.   Oct-Dec 2020