Alejandra J. Perea Rojas

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EDUCATION

Harvard University, Cambridge, MA   Anticipated 2023

Fox Lane High School, Bedford, NY (GPA: 94.87 UW)   June 2019

RESEARCH

Computer Science & Asteroseismology, Independent — Engineering a Web-based Interface to Predict the Unknown Physical Properties of Solar-like Stars
Supervised by Earl P. Bellinger, Ph.D.   June 2017—October 2018

- Interview with Lisa Wexler at AM 1490 WGCH M-F 1040.
  `lisawexler.com/acorda.html`
- Further for deployment. Current work at GitHub.
  `github.com/aperearojas/starithm`

The Yale Summer Program in Astrophysics — Modeling the Orbit and Physical Characteristics of Near Earth-Asteroid 2002 UX
Supervised by Michael D. Faison, Ph.D.   June 2018—August 2018

- Observations published at `Minor Planet Center.`

SKILLS

Natural Languages: Spanish, Quechua (novice), English, German (self-study).
Computer Languages: Python, Java, LaTeX, R, MySQL.
Web Development: PHP, JavaScript, HTML, CSS.

EXPERIENCE

Math Teacher's Assistant, Fox Lane MS, Bedford NY   May 2019–June 2019
Tutoring, Bedford NY. Paid.   Jan 2019–Aug 2019
ESL Teacher's Assistant, Fox Lane MS, Bedford NY   Feb 2018–July 2019
McDonald's, Bedford NY. Paid.   June 2016–July 2017