

Luis Gustavo Heredia Vasquez

Data Science Intern

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Data science and economics student building AI-powered products and infrastructure. Currently interning at Mibanco, a leading Latin American microfinance institution.

EXPERIENCE

Data Science Intern

Jun 2026 — Aug 2026

Mibanco, banco de la Microempresa

Lima, Peru

Engineered a proof-of-concept two-agent LLM commerce assistant in Python on AWS Bedrock that resolved 20.6% of evaluated turns end-to-end without LLM calls. Built an evaluation harness across 500 sessions with 98.6% completion rate and audited a speech-analytics pipeline processing 205K+ conversations, uncovering a labeling failure that had suppressed 43,968 escalation records.

Summer Intern

Jun 2026 — Aug 2026

Credicorp

Lima

Selected for the Credicorp Summer Internship Program, working within Credicorp's AI team on data science and agentic AI for MibancoxWhatsapp

Research & Technology Assistant

Sep 2025 — Dec 2025

Pitzer College, Community Engagement Center

Claremont, CA

Built geospatial data infrastructure for 40+ LA partner organizations, mapping 150+ community projects using ArcGIS Online, QGIS, and Python ETL pipelines to support stakeholder reporting and decision-making.

Summer Intern

Jun 2025 — Aug 2025

SHAWCO

City of Cape Town, Western Cape, South Africa

- Taught computer literacy and basic coding skills to approximately 40 students per week from under-resourced communities.

- Provided individualized feedback and mentorship to support student learning and skill development.

- Assisted in reviewing student progress to help improve lesson effectiveness and engagement.

Research Assistant

May 2025 — Jul 2025

Pitzer College, Department of Economics

Claremont, CA

Automated an R pipeline to clean, merge, and visualize over 12,000 IPUMS records spanning multiple years using dplyr and ggplot2, supporting faculty research on labor-market inequality.

Computer Science Tutor

Jan 2025 — Present

Pitzer College, Department of Mathematics

Claremont, CA

Tutor approximately 12 students weekly across two introductory computer science courses, covering loops, functions, recursion, and object-oriented design in Python. Also support a course on AI-assisted software development, helping students learn to specify program behavior precisely and verify, test, and debug code produced by AI tools.

Fellow, AI IDEAS Summer Program

Aug 2024 — Aug 2024

UC San Diego

Chosen as 1 of 19 from ~500 applicants for an AI ethics program; pitched a Convolutional Neural Network-based tool.

Audio Visual Technical Assistant

Sep 2023 — May 2025

Pitzer College

Claremont, California, Estados Unidos

- Managed and operated audiovisual systems for diverse events and academic spaces across the campus.
- Organized multimedia content, through software application, creating a solid database with identifiers.
- Responded to faculty calls who needed assistance troubleshooting technological devices in the classroom.

Advisor & Steering Committee Member (Youth Sounding Board)

Aug 2023 — Dec 2025

European Commission – DG INTPA

Brussels, Belgium

Selected from 4,500+ global applicants to advise EU leadership on youth inclusion. Co-developed Euroclima's gender strategy, delivered two parliamentary-level interventions, and coordinated gatherings across 30+ regional boards to amplify youth voices in policy.

Student Leadership Program Consultant & Coordinator

Jun 2022 — Aug 2022

Enseña Perú

Lima, Perú

- Recruited, led & trained 92 volunteers with regard to Socio-emotional learning, with a weekly follow-up.
- Reviewed 589 applications with the CEO, and selected 207. Called each student for the enrollment process.
- Facilitated sessions for over 120 students, where they assigned me a score of 9.7 out of 10. Achieved an NPS of 90.05 % for the program.

Global Teen Leader

May 2022 — Aug 2023

We Are Family Foundation

Selected as one of the 34 Global Teen Leaders' in the Three Dot Dash Program, by We Are Family Foundation. This cohort represents teenagers from 23 countries and 5 continents, chosen from +500 applications for their social good innovations, and promise for a more just, equitable, and peaceful future.

Builder

Apr 2022 — Jan 2023

Dream DAO

Powered by Civics Unplugged, the Dream DAO invests in the future of the web3 x social impact ecosystem by providing diverse Gen Zers around the globe with the training, funding, and mentorship they need to leverage the power of web3 to secure a brighter future for humanity.

Learn more at <https://dreamdao.xyz/>

Spring '22 Fellow

Sep 2021 — Apr 2022

Civics Unplugged

Civics Unplugged is a 501(c)(3) social enterprise founded in 2019 that empowers leaders of Gen Z with the training, funding, and network they need to become civic innovators that build a brighter future for humanity.

We do this by running a world-class leadership program—the CU Civic Innovators Fellowship—for high schoolers seeking to become civic innovators, supporting them after they graduate the program, and producing media that inspires and amplifies civic innovation work.

Student Leadership Program Consultant & Coordinator

Aug 2021 — Nov 2021

Enseña Perú

Enseña Perú is a non-profit association that believes in the power of education and trusts in the potential of all Peruvians.

- Designed the Virtual Student Leadership Program from scratch, which contains 25 sessions, getting approval from partner organizations and the CEO.
- Established a selection process rubric. Reviewed 620 applications and selected 130 students.
- Recruited, led & trained 51 volunteers with regard to Socio-Emotional learning and digital skills.
- Achieved student growth in soft skills: 96.4% of students reported growth in self-awareness, 94.6% in social awareness, and 96.4 in belonging. Overall Net Promoter Score of 91 %

Coach

Jul 2021 — Jul 2021

LALA - Latin American Leadership Academy

During one week I was in charge of 4 new students who were attending the intensive leadership program. Likewise, I was a social media coach creating any design needed for Instagram. Additionally, I supported the engagement activities for 45 participants.

Ambassador

Apr 2021 — Oct 2021

World Literacy Foundation

Worldwide

The program is a platform to develop leadership skills and cooperate with other literacy advocates around the globe to help raise awareness about illiteracy in the world.

Alumnus

Feb 2021 — May 2021

Global Citizen Year

Global Citizen Year is a gap year Fellowship for the world's future leaders and changemakers. Selected as one of the five winners of \$5000, in scholarship, given by Rise.

Alumnus

Jan 2021 — Apr 2021

Ivy House London

The Award develops leadership and life skills, giving students aged 15-18 the knowledge, skills, and confidence they need to step up and take ownership of their future. An award-winning program developed by a team of leading executive coaches in partnership with forward-thinking headteachers, The Award gives schools the expert content, tools, and support they need to deliver meaningful character education.

Founder & CEO

Aug 2020 — Feb 2023

Edulimitless

Chiclayo, Peru

Led a multi-country education initiative with 150+ volunteers across 5 countries, serving 1,500+ beneficiaries and graduating 373 students. Built 12 strategic partnerships and received recognition from KidsRights Foundation, SENAJU, and the Peruvian University of Applied Sciences.

Alumnus

Aug 2020 — Dec 2020

X-Culture

X-Culture is a large-scale international experiential learning project that involves over 3,500 MBA and business students from 100 universities from 40 countries on six continents every semester. The students are placed in global virtual teams of about seven, each student coming from a different country. Working with people from around the globe and dealing with cultural differences, time-zone dispersion, and global communication challenges, the teams complete a consulting project for a multi-national company.

EDUCATION

University of Technology Sydney (UTS) <i>Study Abroad Program</i>	Mar 2026 — Jun 2026
Pitzer College <i>Mathematical Economics & Data Science</i> Overall GPA: 3.85	Aug 2023 — May 2027
LALA - Latin American Leadership Academy	Feb 2021 — Feb 2021
V-Camp 5 participant. LALA V-Camp is an intensive virtual leadership program that provides the tools, community support, and training needed for profound social and personal transformation.	
Bachillerato Internacional	Jan 2018 — Jan 2019
Activities and societies: MUN delegate	
COAR LAMBAYEQUE	Mar 2017 — Dec 2019
High-Performance Schools (COAR) are MINEDU's proposal to serve talented students from 3rd to 5th year of secondary school. In order to apply, students have to be from public schools.	

PROJECTS

Edulimitless

Edulimitless aims to boost the 21st century's skills of high-school students and help them thrive in the world.

AI-powered career platform for Peru's elite COAR schools, COAR.connect

Built and launched a full-stack career platform featuring AI career advising with real-time web search, mentor matching with live chat, 155+ curated scholarships with deadline alerts, an AI resume builder with 3 templates, 3 language support, and PDF/DOCX export, plus vocational testing and a document repository.

Full-stack scheduling platform with custom data structures, Office Hours Scheduling System

Built a production-ready scheduling system using custom data structures (stacks, queues, linked lists), REST APIs, and authentication. Designed an optimized SQLite schema for appointment creation, updates, and user management.

CERTIFICATIONS

Generative AI: Introduction to Large Language Models , LinkedIn	Apr 2026
Introduction to LangChain - Python , LangChain	Apr 2026
Quickstart: LangSmith Essentials , LangChain	Apr 2026
JavaScript Algorithms and Data Structures , freeCodeCamp	Jul 2023
JavaScript Algorithms and Data Structures , freeCodeCamp	Jul 2023
Young Challenger , The Grameen Creative Lab	Jul 2022
Safeguarding Young People for International Schools , Tes	May 2022
Global Teen Leader , We Are Family Foundation	Apr 2022
EF SET English Certificate 71/100 (C2 Proficient) , EF Standard English Test (EF SET)	Apr 2022
Leadership as a Practice , Global Citizen Year Certification: Leadership as a Practice	Jun 2021
Duolingo English Test-145 , Duolingo English Test	Jan 2021
Action Developer , KidsRights changemakers	Aug 2020
Diploma del Bachillerato Internacional , Bachillerato Internacional	Feb 2020
FIRST CERTIFICATE IN ENGLISH , Cambridge Assessment	Jan 2020

SKILLS

Large Language Models (LLM) · LangChain · GenAI Virtual Assistants · Finance · FinTech · Machine Learning · Databases · Analytical Skills · Strategy · Microsoft Excel · Computer Assistance · Technology Coaching · Python (Programming Language) · Computer Science · Peer Tutoring · Project Planning · Spanish · Bases de datos ·

JavaScript · Lenguajes de programación · Capacidad de análisis · Gestión de proyectos · Relaciones públicas · Gestión de voluntariado · Liderazgo · Gestión · Capacitación · Captación de voluntarios · Captación de estudiantes · Debate · Inglés como lengua extranjera · Estrategia · Resilencia · Voluntariado en organización sin ánimo de lucro · Educación sin barreras · TypeScript · R · SQL · HTML/CSS · English · AWS Bedrock · Amazon Athena · Strands Agents SDK · AWS · Docker · Git · Vercel · Next.js · Flask · Supabase · Salesforce · OpenAI API · NumPy · pandas · scikit-learn · Matplotlib · ArcGIS