

Luis Heredia

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EDUCATION

Pitzer College

Claremont, CA

Bachelor of Arts – Double Major in Data Science & Economics

Aug. 2023 – May 2027

- **Overall GPA:** 3.85

- **Relevant Coursework:** Cloud Computing & SaaS (Salesforce, AWS), Machine Learning, Data Structures & Algorithms, Discrete Mathematics, Probability, Statistics, Linear Algebra, Financial Markets, Corporate Finance, Econometrics

University of Technology Sydney (UTS)

Sydney, Australia

Study Abroad Program

Spring 2026

- **Honors & Distinctions:** AI Fellow (IDEAS UCSD), McKinsey Forward, J.F. Harmon Summer Research Assistantship, JA Latin Code Week Finalist, Elizabeth Bowers C. Scholarship, UNESCO Honorable Mention, Global Teen Leader (1 of 34, We Are Family Foundation), 1st Place – Melton Foundation Innovation Marathon, Full Scholarship – Business Conference (Italy)

EXPERIENCE

Data Science Intern

Jun. 2026 – Aug. 2026

Mibanco, Credicorp Group – Latin America's leading microfinance institution

Lima, Peru

- Engineered a proof-of-concept two-agent LLM commerce assistant in Python on AWS Bedrock; built a deterministic routing layer that resolved 99.8% of 3,636 customer messages without an LLM call, reducing per-turn latency from 3–5s to milliseconds
- Audited a speech-analytics pipeline processing 205K+ conversations; identified and resolved an issue affecting human-escalation labels (0 of 43,968) and validated synthetic NPS metrics through SQL analysis
- Analyzed 30 days of messaging activity in Athena across 112,590 users to identify anomalous bot usage patterns, establishing activity thresholds of 181 messages/month for enrolled users and 65 for non-enrolled users
- Analyzed an A/B test on personalized onboarding across 109,221 users; found no statistically meaningful improvement in enrollment and identified substantially lower conversion among users with 6+ stored memories (0.07% vs. 1.90%), controlling for activity level

Research & Technology Assistant

Sep. 2025 – Dec. 2025

Pitzer College, Community Engagement Center

Claremont, CA

- Built geospatial data infrastructure across 40+ LA partner organizations; mapped 150+ projects using ArcGIS Online, QGIS, and Python ETL pipelines for stakeholder reporting

Software Education Intern

Jun. 2025 – Aug. 2025

SHAWCO, University of Cape Town

Cape Town, South Africa

- Delivered Python and Scratch curriculum to 100+ students; designed Google Colab modules improving code accuracy by 28% through scaffolded instruction and follow-up mentorship

Research Assistant – Economics

May 2025 – Jul. 2025

Department of Economics, Pitzer College

Claremont, CA

- Automated R pipeline processing 12,000+ IPUMS variables; reduced data-prep time by 45% with ggplot2 and dplyr; findings integrated into faculty research on labor-market inequality

LEADERSHIP

Advisor & Steering Committee Member

Aug. 2023 – Dec. 2025

European Commission – DG INTPA (Youth Sounding Board)

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 for 30+ regional boards

CEO & Founder

Aug. 2020 – Feb. 2023

Edulimitless

Chiclayo, Peru

- Led a multi-country education initiative: 150+ volunteers across 5 countries, 373 graduates, 1,500+ beneficiaries, 12 partnerships. Recognized by KidsRights Foundation, SENAJU, and the Peruvian University of Applied Sciences

PROJECTS

COAR.connect — Next.js, TypeScript, Supabase, OpenAI API, Tavily, Cloudflare R2, Vercel — Live Site

- Built and launched COAR.connect, a full-stack career platform for Peru's 25 elite COAR schools featuring AI career advising with real-time web search, mentor matching with live chat, 155+ curated scholarships with deadline alerts, an AI resume builder (3 templates, 3 languages, PDF/DOCX), vocational testing, and a document repository. Grown to 160+ active users organically.

Office Hours Scheduling System — Python, Flask, SQLite, HTML/CSS — Live Demo

- Built a full-stack scheduling platform with custom data structures (stacks, queues, linked lists), REST APIs, and authentication; designed an optimized SQLite schema for appointment creation, updates, and user management

TECHNICAL SKILLS

Languages: Python, JavaScript/TypeScript, R, SQL, HTML/CSS **Spoken:** Spanish (native), English (fluent)

Cloud & AI Infra: AWS Bedrock, Amazon Athena, Strands Agents SDK, AWS (general), Git, Vercel

Frontend & Backend: Next.js, Flask, Supabase, Salesforce

AI & Data: LangChain, OpenAI API, NumPy, pandas, scikit-learn, Matplotlib, ArcGIS