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EDUCATION AND ACADEMIC HONORS

2024	**Massachusetts Institute of Technology.** - Masters Program in Data, Economics, and Design of Policy. - Finished with a 5.0 GPA
2015-2020	**Pontificia Universidad Católica de Chile, School of Engineering** (Santiago, Chile). - Bachelor's degree in engineering with a major in operational research and a minor in programing. - Professional degree in Civil Industrial Engineer, with a major in IT Engineering. - Graduated with Maximum Distinction (*Summa cum laude equivalent*). - Final class rank 15/897 students that enrolled in 2015 (top 2%).
2001-2014	**High School** (Santiago, Chile). - Graduated from *Educación Básica* (2010) and *Educación Media* (2014) with 6.9/7.0 GPA - Honorary Scholar Award. - Academic Achievement Award 6 years in a row (2009-2014). - Debate team member (2012-2014). - IGCSE Exams (2012). - A-level Exams (2014).
2013	**High School** (Balgowan, South Africa). - Exchange program.

PROFESSIONAL EXPERIENCE:

2026-ongoing	**UNICEF.** *Consultant.* - Working in a consultantcy role to analyze the changing trends of children going into Child protective Services and determine the causes behind these changing trends.
2025	**Inter-American Development Bank.** *Consultant.* - Coauthored report of an early childhood intervention in Panama. Work included literature reviews, defining the identification strategy, monitoring the survey process including visualizations for real time indicators, estimating results and writing the final report.
02/2024-ongoing	**Massachusetts Institute of Technology, Prof. Joe Doyle.** *Research Assistant* - Wrote a paper measuring the incidence of Foster Care in the United States. This included cleaning and crossing data from different institutions, literature review, and the creation of various visualizations and tables. - Helped in heterogeneity analysis of a study using machine learning and causal trees to review and resubmit a paper - Currently working on study of Chile's national foster care system. This includes data cleaning, designing the identification strategy and preliminary analysis of the available data. Also prepared presentation of the Chilean authorities to request access to the required data for the study.
2019-2020 and 09/2025-ongoing	**Pontificia Universidad Católica de Chile, School of Government, Prof. Pablo Celhay** (Santiago, Chile). *Researcher and Consultant.* - Prepared report for the Association of Insurers to study the rise in the number of people using the national disability insurance system. This included cleaning and crossing data from different institutions, literature review, the creation of visualizations and tables proposing hypothesis to test

and writing the final report.
- Cleaned Ministry of Health data, created visualizations for initial data exploration and produced literature review.

10/2021-ongoing | **Pontificia Universidad Católica de Chile, School of Government, Prof. Andrés Hojman** (Santiago, Chile). *Researcher.*
- Coauthored paper of an early childhood intervention in Panama. Work included power calculation design, designing simulations to address weak instrument issues, literature review, defining the identification strategy, and writing the paper.
- Coauthored study of a gifted children's program. Work included cleaning administrative data, crossing data from different ministries, doing a literature review, defining the identification strategy, presenting results and writing the final report.
- Worked on initial report for a study of childcare centers in Nicaragua. Wrote initial report to present study, including a literature review and definition of evaluation strategy.
- Currently working on study of Chile's national foster care system. This includes data cleaning, designing the identification strategy and preliminary analysis of the available data.

10/2021-01/2024 | **International Initiative for Impact Evaluation (3ie).** *Consultant.*
- Participated in the entire process of evaluation of an unconditional cash transfer program. This included sample size calculation, designing the questionnaire, training the enumerators, monitoring the survey process including visualizations for real time indicators and writing the final report. Also included a follow-up survey to measure long term effects. Participated in the second data collection process designing instruments, training enumerators, monitoring the process and creating preliminary results.
- Worked on creating a research proposal to evaluate outcomes and process for an educational toolkit for stunted children. Design instruments to measure both final as process outcomes and contributed to the design of the Theory of Change.
- Worked on writing a descriptive report for the COVAX project. This included cleaning administrative data and generating data visualizations to better describe the data.
- Conducted a literature review and data diagnostic process using administrative data from countries from all over the world.
- Used python to collect data through pdf scraping.

2021 | **Yachay Group SpA** (Santiago, Chile). *Intern.*
- Data consulting firm with a strong social media presence.
- Created web scraping tools.
- Created a data pipeline for a client, including web scraping, data cleaning using python and online data visualizations with google data studio.
- Created data visualizations using R and python for the firm's social media accounts.

ACADEMIC EXPERIENCE

2024-ongoing | **Teaching assistant, MITx, Data, Economics and Design of Policy Micro Masters:**
- 14.009x, Good Economics for Hard Times (2026).
- 14.740x, Foundations of Development Policy: Advanced Development Economics (2025).
- 14.73x, The Challenges of Global Poverty (2025)
- JPAL 102x, Designing and Running Randomized Evaluations (2024, 2025).
- 14.750x, Political Economy and Economic Development (2024, 2026).

2022-ongoing | **Teaching assistant, Pontificia Universidad Católica de Chile, School of Government MPP:**
- Data analysis for Public Policy, Teaching Assistant for Pablo Celhay (2022-2023, 2025).
- Economics I (Microeconomics), Teaching Assistant for Andrés Hojman (2023).

- Impact Evaluation Workshop, Teaching Assistant for Kenzo Asahi (2023).

2017-2018 **Teaching assistant, Pontificia Universidad Católica de Chile, School of Engineering:**
- *Optimization*, Teaching Assistant for various professors (2017-2018).
- *Econometrics*, Teaching Assistant for Sonia Vera (2017).

PUBLICATIONS

Journal Articles:
- Experimental Evidence on the Impacts of Public Early Childhood Education in Panama (with Andrés Hojman, Pedro Held and Sebastián Martínez). *Economía LACEA Journal*. forthcoming.
- Cumulative Risks of Foster Care Placement for U.S. Children: Evidence from Birth Cohort and Synthetic Cohort Approaches (with Joseph J. Doyle, Jr. and Natalia Emanuel). *Child Abuse & Neglect*.

Working papers:
- Examining Fifteen Years of Effects of a Gifted Education Project Using Regression Discontinuity (with Held, P. Hojman, A. Madrid, A. Martínez, L. & Valencia, E.)

COMPUTER SKILLS

Statistical software
- *R* and *Stata* (advanced)

BI software
- *Power BI and Google Data Studio* (medium to advanced).

Programming
- *Python* (advanced).
- *Django, C, HTML & CSS, React, SQL* (medium to advanced).
- *JavaScript, GraphQL* (medium).

DEBATING

2015-2020 **Chilean national high school debating team in English.** *Coach.*
- World Schools Debating Championship (WSDC) México (2020/Cancelled).
- World Schools Debating Championship Thailand (2019).
- World Schools Debating Championship Zagreb (2018).
- World Schools debating Championship Stuttgart (2016).

2014-2020 **Judge at multiple tournaments**
- World Schools Debating Championship Stuttgart (2016).
- English-Speaking Union Chile Tournament (2014, 2015, 2016, 2017, 2018, 2019).
- Pontificia Universidad Católica Debating Society Tournament (2015, 2016, 2017).
- Universidad del Desarrollo Tournament (2018, 2019) Also a member of the organizing committee.
- Universidad Andrés Bello Tournament (2015, 2016, 2017, 2018, 2019).

2015-2018 **Pontificia Universidad Católica de Chile Debating Society** (Santiago, Chile). *Team member*.
- Santiago Metropolitan Tournament Finalist (2015).
- Traditional Universities Tournament Finalist (2015).

2013-2014	- **Chilean national high school debating team in English.** *Debater.* - World Schools Debating Championship Thailand (2014). - Joint best result at a World Schools Debating Championship achieved by a Chilean national team.

VOLUNTEER WORK

2019	**Universidad de Chile's Legal Defense Clinic.** - Assisted lawyers in the midst of national protests, to ensure due process and the protection of human rights of detainees.
2021	**National Election.** - Election poll worker.

SPORTS

2008-2013	**Chilean national cricket team.** - Captain of the under 13, 15 and 17 national cricket teams.

LANGUAGES

Spanish (native) and English (Advanced-C2). IELTS score 8.5 (Reading: 9, Listening: 9, Speaking: 7.5, Writing: 8).