

ÁLVARO CARRIL

New York, NY | (857) 285-8331 | acarril@princeton.edu | alvarocarril.com

EDUCATION

Princeton University , Princeton, NJ	<i>Expected: Feb 2024</i>
<i>Ph.D. in Economics</i>	
Specialization: Labor and Development Economics, Industrial Organization	
Princeton University , Princeton, NJ	<i>2020</i>
<i>M.A. in Economics</i>	
University of Chile , Santiago, Chile	<i>2013</i>
<i>B.A. in Business & Economics</i>	

RESEARCH EXPERIENCE

Ph.D. Researcher , Princeton University	Princeton, NJ	<i>2018 – Ongoing</i>
Research Affiliate , ConsiliumBots	New York, NY	<i>2020 – Ongoing</i>
<ul style="list-style-type: none">Conducted independent research on educational & financial decisions using empirical and structural methodsDesigned and implemented large-scale field experiments to measure biased beliefs and the effect of information on choices using Instrumental Variables methods		
Pre-Doctoral Fellow , National Bureau of Economic Research	Cambridge, MA	<i>2017 – 2018</i>
<ul style="list-style-type: none">Estimated the effect of major & institution choice on labor market outcomes using Regression Discontinuity methodsPublished a peer-reviewed paper on covariate balance with a large number of clusters in random treatment assignments		
Research Associate , Abdul Latif Jameel Poverty Action Lab	Chile & Dominican Republic	<i>2016 – 2018</i>
<ul style="list-style-type: none">Estimated the effect of changes in international taxation on firm-level investment using Difference-in-Differences methodsLed 8 research assistants and developed software to automatize digitization and processing of historical data at scale		

SELECTED PROJECTS

IcfesBot (link ↗)	Colombia	<i>2021 – Ongoing</i>
<ul style="list-style-type: none">Designed a chatbot that informs students about higher education degrees and financing optionsAnnually deployed chatbot to ≈100,000 high school seniors in coordination with the Ministry of EducationDeveloped multiple back-end services using AWS Lambda, API Gateway, DynamoDB and Aurora (MySQL)		
OsoBot (link ↗)	Bogotá, Colombia	<i>2023 – Ongoing</i>
<ul style="list-style-type: none">Designed and developed a chatbot to help students explore occupations and corresponding career pathsDeployed chatbot to 50,000 students in Bogotá in coordination with local city government		
Timetable Designer (link ↗)	USA, Chile	<i>2022</i>
<ul style="list-style-type: none">Led the design of an API to generate school timetables using GurobiService to be offered in centralized management platform for all public schools in Chile		

COMMUNICATION & TEACHING EXPERIENCE

Graduate Teaching Assistant , Princeton University	Princeton, NJ	<i>2014 – 2016</i>
<ul style="list-style-type: none">Organized and taught precepts in Microeconomics, Fintech and Econometrics at the graduate and undergraduate levels		
Associate Lecturer , Abdul Latif Jameel Poverty Action Lab	Chile, Salvador, USA	<i>2014 – 2016</i>
<ul style="list-style-type: none">Organized and taught workshops (theory & R) on impact evaluation methods to policy-makers and graduate students		
High School Teacher , Teach For All	Chile	<i>2014 – 2016</i>
<ul style="list-style-type: none">Taught mathematics, physics and Python programming in a low-income school		

SELECTED HONORS & AWARDS

Social Data Science Graduate Fellow	<i>2023</i>
Overdeck Education Innovation Fund	<i>2021, 2022</i>
The Agency Fund Grant	<i>2021</i>
Princeton University Graduate Fellow	<i>2018 – 2023</i>

SKILLS

- Programming:** Python, R, Julia, Stata (highly proficient); SQL, JavaScript (working knowledge)
- AWS:** Lambda, API Gateway, EC2, DynamoDB, Aurora
- Statistics & Methods:** Causal Inference (RCT, IV, DiD, RDD), Structural Modeling (Demand Estimation)