Nicolas E. Fajardo-Acosta

nicofajardo@gmail.com · nfajardoa.github.io

I am a polymath, empathetic, proactive and pragmatic individual. I like teamwork, however I usually opt for a wide degree of autonomy and time flexibility. I enjoy challenges and I seek them actively. I am currently involved in research, showing special prowess at mathematical modeling and computer programming tasks. I am confident carrying out complex quantitative or qualitative analyses, specially in fields such as applied micro- or macroeconomics, and public policy. Furthermore, as a competent and active social volunteer, I have experience interacting with vulnerable population and designing and implementing social development and educational projects at local scale.

SKILLS

PROGRAMMING

R, Python, Matlab (Octave), Maxima (Mathematica), Stata, LaTeX, OTree, Dynare, SAS, PostgreSQL, HTML, CSS, Javascript, Microsoft Office, Git.

COMMUNICATIVE

Spanish C2: *Native*
English C1: *Proficient*
German B2/C1: *Advanced*
French A1: *Beginner*

ACADEMIC INTERESTS

Public Policy
Social Networks
Behavioral Economics
Algorithmic Statistics
Computer Science
Political Economy
Community Socioeconomics
Philosophy of Economics

PERSONAL PROJECTS

Kampagne für
Frieden in Kolumbien
sos-colombia.de

Cordillera EV
cordillera.eu

EDUCATION

Economics (M.Sc.)

2019 – 2021	Diss. "*Scaling Up Preschool Education: A Semiparametric Estimation of its Effect on Early Learning Outcomes in Peru*"
	Diss. supv. Prof. Lena Janys
	Faculty of Law and Economics
Bonn, DEU	RHEINISCHE FRIEDRICH-WILHELMS-UNIVERSITÄT BONN
Adv. modules	*Computational Statistics, Public Economics, Labor Economics, Growth and Development Economics, Banking and Securitization, Behavioral Public Policy. Research emphasis in Applied Microeconomics.*

Economics (B.Sc.)

2014 – 2019	Faculty of Economic Sciences [FCE]
Bogotá, COL	UNIVERSIDAD NACIONAL DE COLOMBIA
Adv. modules	*Post-Keynesian Macroeconomics. History of Biological Thought. Critical Perspectives on Economic Theory. Dynamic Programming. Computational Economics. Project Design, Management, and Evaluation. Economics and Politics of Sustainability. Behavioral Economics. Finance, Crises, and Inequality. Microeconometrics. Advanced Growth Economics. Economic Theory and Policy, Design Thinking, Epistemology of Psychology.*

PROFESSIONAL EXPERIENCE

Short-Term Consultant

10/2021 – 06/2022	Trade and Integration Unit
	Supvs. Drs. Isabela Manelici, José P. Vásquez and Román D. Zárate
	Development Economics Vice Presidency
Remote	WORLD BANK GROUP
Duties	*Develop algorithms to match highly irregular databases, using a mix of manual matching and regular-expression rules. Support the research process in all its stages.*

Research Assistant

11/2019 – 01/2022	Worked for Drs. Stephanie Majerowicz, Román A. Zárate, Franz Ostrizek, Armin Falk among others.
Bonn, DEU	BEHAVIOR AND INEQUALITY RESEARCH INSTITUTE [BRIQ]
Duties	*Clean and manage large databases, ranging between 1 and 25 million observations. Implement and execute multiple estimators of treatment effects using Machine Learning and parallelized algorithms. Complete plots and proofs using Wolfram Mathematica. Review relevant literature on Economics of Education, Social Networks and Moral Action.*

Investments Analyst

01/2019 – 08/2019	Front Office
	Supv. Andrés Enrique Rodríguez Arévalo
	Investments Department
Bogotá, COL	SOCIEDAD FIDUCIARIA DE DESARROLLO AGROPECUARIO S.A.
Duties	*Analyze the economic behavior of local and international markets. Design strategies and valuate fixed-income investment portfolios. Develop econometric models for forecasting. Write and present briefing papers and reports, including Daily Market Dashboards. Lead biweekly internal meetings on current macro-financial developments. Communicate with clients, market analysts and traders.*

Intern

01/2018 – 12/2018	Economic Policy Studies Department
	Supv. Norberto Rodríguez Niño
	Office of the Deputy Technical Governor
Bogotá, COL	BANCO DE LA REPÚBLICA DE COLOMBIA
Duties	*Gather, clean, reshape and analyze databases. Implement structural and semi-structural econometric models, such as State-Space representations, VAR and VAR-X. Execute panel data estimators. Develop algorithms for mathematical optimization, web scraping and text mining. Estimate bayesian DSGE models. Review relevant literature on analysis and evaluation of Monetary Policy.*

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ACADEMIC REFERENCES

Prof. Dr. Phillip Eisenhauer
Universität Bonn
peisenha@uni-bonn.de

Prof. Lena Janys
Universität Bonn
ljanys@uni-bonn.de

PROFESSIONAL REFERENCES

Asst. Prof. Isabela Manelici
London School of Economics
i.manelici@lse.ac.uk

Asst. Prof. Román A. Zárate
University of Toronto
ra.zarate@utoronto.ca

Asst. Prof. Stephanie Majerowicz
Universidad de los Andes
s.majerowicz@uniandes.edu.co

Markus Antony
Scientific Manager
briq Institute
markus.antony@briq-institute.org

PERSONAL INTERESTS

Communal work
Music [*Violin & Guitar*]
Performing arts
Aerial silk
Poetry and creative writing
Ecological conservation

STATEMENT OF ENGAGEMENT

Beyond researching, I enjoy partaking in different projects and ideas, willing to impact society through rigorous analyses or actions, connect with people and gain valuable insights. Currently, I am a member of Cordillera, a group of Latin-Americans ready to represent fairly and without intermediaries a rainbow of Latin-American identities and values in Europe. Moreover, in 2021 I joined the Campaign for Peace in Colombia. A platform to make the German public and politicians aware of the systematic human-right violations in Colombia. In the past, I managed community development and environment-awareness projects via workshops directed at children and teens living in vulnerable settlements.

COURSES AND SEMINARS

Participant

01/2020 · *Basic course on Human Research*
Social & Behavioral Research Investigators
Massachusetts Institute of Technology Affiliates
Online COLLABORATIVE INSTITUTIONAL TRAINING INITIATIVE [CITI]

Participant

08/2019 · *Micro Data for Economic Policy and Development*
06/2016 − 07/2016 · *From Nudge to regulating Uber*
Homero Cuevas Seminar
Faculty of Economic Sciences [FCE]
Bogotá, COL UNIVERSIDAD NACIONAL DE COLOMBIA

Participant

02/2019 − 03/2019 · *Territorial Actions on Peace-building*
03/2019 − 04/2019 · *Participatory Policy-making*
District Institute for Participation and Communal Action
Online ALCALDÍA MAYOR DE BOGOTÁ D.C.
in cooperation with
UNIVERSIDAD NACIONAL ABIERTA Y A DISTANCIA

Participant

08/2018 − 09/2018 3th Certificate Course on Informal Settlements:
Impact, Participation & Community development
Bogotá, COL FUNDACIÓN TECHO - COLOMBIA

Speaker

10/2017 "Social innovation & Microcredit:
¿Are we financing the *status quo* of poverty?"
VIII International Public Policy Colloquium:
Public Policy Implementation and Peace-building
Bogotá, COL UNIVERSIDAD NACIONAL DE COLOMBIA

Participant

01/2017 · *International Financial Markets*
01/2017 · *Financial Mathematics*
Unit of Analysis on Economic Sciences [UACE]
Bogotá, COL UNIVERSIDAD NACIONAL DE COLOMBIA

ENGAGEMENT

Participant

03/2020 − 09/2021 "Ausbildung als Multiplikator*innen für Bildungsarbeit"
Modules: Water, Climate, Displacement, and Consumption.
Bonn, DEU LATEINAMERIKA-ZENTRUM E.V.

Duties *Design multiple didactic resources for school children to address world's current most pressing challenges from both German and Latin American perspectives.*

Volunteer

02/2018 − 09/2019 Neighborhood "*los Laureles*", loc. San Cristóbal
Division of Community Experience
Bogotá, COL FUNDACIÓN TECHO - COLOMBIA

Duties *Design, manage and evaluate Community Development Projects. Create and implement strategies aimed to enhance abilities and capacities related to Peace and harmonious coexistence between children and teenagers living in informal settlements. Plan social intervention procedures with vulnerable population. Lead large groups of volunteers on the field. Instruct and inspire new volunteers through structured seminars. Organize, plan and execute large-scale events.*

Volunteer

04/2017 − 04/2019 Environmental Planning
Tenjo, COL ITACA: ESPACIO ECOCULTURAL

Duties *Plan reforestation and environmental recovery actions on damaged over-exploited zones. Lead groups of volunteers on the field. Instruct volunteers on how to seed, transplant, and care saplings.*

AWARDS AND SCHOLARSHIPS

Scholarship holder

10/2019 – 09/2021 Scholarship Program for Foreign Students

Bonn, DEU KONRAD-ADENAUER STIFTUNG

Top 10 pct. Graded Average: *Economics*

08/2019 Undergraduate Degree Earners in 2019-01
Faculty of Economic Sciences [FCE]

Bogotá, COL UNIVERSIDAD NACIONAL DE COLOMBIA

Best score: *at National level*

12/2018 Reference group: *Economics*
SABER-PRO 2017 "*La Noche de los Mejores*"
Test on the Quality of Higher Education

Bogotá, COL MINISTERIO DE EDUCACIÓN NACIONAL

Participant

08/2018 – Present Seedbed of Talents

Bogotá, COL FUNDACIÓN COLFUTURO

PUBLICATIONS

WORKING PAPER

02/2019 "Inflows of International Tourists to Colombia during 2001-2017:
Evolution, Characteristics and Determinants"
(with C. Agudelo, C. González, E. Montes & N. Rodriguez)
BORRADORES DE ECONOMÍA: BANCO DE LA REPÚBLICA N° 1064

MANUSCRIPT

08/2017 "Social innovation & Microcredit:
Are we financing the *status quo* of poverty?"
(with S. Espinosa-Moyano & D. Gantiva-Parada)
ECONOGRAFOS: ESCUELA DE ECONOMÍA FCE - CID N° 113

April 27, 2022