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## Education

- 2018–2023 **PhD in Economics**, *École normale supérieure Paris-Saclay*, Île-de-France, France
- 2015–2017 **Master in Economics**, *École Polytechnique, ENSAE, and Université Paris-Saclay*, Île-de-France, France
- 2010–2014 **Bachelor in Economics**, *Colombian School of Engineering Julio Garavito*, Bogotá, Colombia

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## Professional Experience

### Teaching

- 2024-2025 **Teaching Fellow**, *Forward College*, Paris, France  
(Current)
- **Responsibilities**
    - Delivered macroeconomics lectures to second-year undergraduate students (L2).
  - **Skills Acquired**
    - Expertise in flipped classroom methodologies.
    - Individualized tutoring and student mentoring.
- 2021–2023 **Part-Time ATER (Temporary Lecturer and Research Assistant)**, *Université d'Évry*, Évry, France
- **Responsibilities**
    - Delivered problem set sessions on two macroeconomics courses: Growth and Cycles and Macroeconomic Policy.

### Research

- 2024 **Postdoctoral Researcher**, *Université d'Évry Paris-Saclay*, Évry, France  
(Apr-Sep)
- Data analyst affiliated with the project on national and regional income inequality (LNRI).
- **Results and Impact**
    - Developed a methodology to measure the cost of living at the French labor market area level.
    - Created two datasets: one using real estate price data (Cerema) and another using tax microdata (POTE, FILICOM).
    - Produced wages and social benefits statistics from the OECD TaxBEN database and comparative wage inequality metrics using the WID dataset.
  - **Skills Acquired**
    - Expertise in big data analysis and spatial econometrics.
    - Proficiency in SQL, SAS, Stata, and Python.
- 2021 **Visiting Researcher**, *Universidad del Rosario*, Bogotá, Colombia  
(May-Sep)
- Collaborated with Prof. Fernando Jaramillo on a research project on monetary and macro-financial policies.
- 2020 **Visiting Researcher**, *European University Institute (EUI)*, Florence, Italy  
(Mar-Sep)
- Collaborated with Prof. Russell Cooper on a research project on banking crises and liquidity policies.
- 2018 **Research Assistant**, *Université de Rennes and ENS Paris-Saclay*, Paris, France  
(Jan-May)
- Junior researcher in a project on optimal risk-sharing models.
- **Results and Impact**
    - Developed various empirical methodologies for econometric analyses.
    - Created a database on household statistics using the Townsend Thai Data.
- 2016 **Research Internship (M1)**, *Centre de Recherche en Économie et Statistique*, Île-de-France, France  
(Mar-Aug)
- Conducted empirical research on labor market discrimination and cultural context in Europe under Prof. Pierre Cauch.
- 2014 **Research Internship (Bachelor)**, *Banco de la República de Colombia*, Bogotá, Colombia  
(Jan-Dec)
- Conducted empirical research on the diversification of Colombian exports to the U.S., supervised by the Sub-directorate for Economic Studies and Maria del Pilar Esguerra.

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## Research Fields

**Primary:** Monetary Economics, Banking, Macrofinance, Macroeconometrics.

**Secondary:** Development Economics, Income Inequalities.

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## Research Papers

- 2024 **A Methodology for Estimating Cost-of-Living Indices in French Commuting Zones**, *Work in progress*, co-authored with Margarita López-Forero (Banque de France) and Clément Malgouyres (CREST)
- 2024 **Monetary Policy Transmission and the Role of High- and Low-Quality Liquid Assets**, *Working Paper*, sole author, Presented at: AFSE Annual Congress, T2M Conference, Augustin Cournot Doctoral Days, CEPS PhD Workshop.
- 2023 **Limited Commitment, Social Control, and Risk-Sharing Coalitions in Village Economies**, *Working Paper*, co-authored with Jaramillo (Universidad de los Andes), Kempf (OFCE), Moizeau (Université de Rennes), Vendryes (ENS Paris-Saclay). Theory developed by Jaramillo, Kempf, and Moizeau; empirical section led by Vendryes and Hernández., Presented at: LACEA-LAMES Annual Meeting, AFSE Annual Congress, CEPS PhD Workshop.
- 2023 **Essays on the Transmission Mechanism of Monetary Policy in the Banking Sector**, *PhD Dissertation*, supervised by Prof. Hubert Kempf
- 2017 **Forward Guidance with an Escape Clause under Imperfect Credibility**, *Master's Thesis*, sole author, supervised by Prof. Olivier Loisel, jointly evaluated by Prof. Edouard Challe.
- 2016 **Labor Market Discrimination and Cultural Background**, *Research Internship Report*, sole author, supervised by Prof. Pierre Cauch.

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## Scholarships and Awards

- 2015 **Summa Cum Laude Honor (Bachelor)**, *Colombian School of Engineering Julio Garavito*
- 2015-2017 **Master's Scholarship in Economics**, *IDEX Paris-Saclay*
- 2015-2017 **Master's Scholarship in Economics**, *COLFUTURO*
- 2014 **English Study Scholarship**, *COLFUTURO-ECOPETROL Program*
- 2013 **Board Member and Academic Director**, *National Association of Economics Students of Colombia (FENADECO)*
- 2011-2014 **Scholarship for Bachelor in Economics**, *Julio Garavito Scholarship Program*

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## Languages

Spanish (native), English (advanced), French (advanced), Italian (intermediate)

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## Programming Skills

Stata, Matlab (Dynare), Python, SAS, SQL, Jupyter, L<sup>A</sup>T<sub>E</sub>X

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## Leisure

Golf, tennis and boxing — Guitar — Mentor DEMA1N.org (2024)

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## References

Prof. Hubert Kempf, ENS Paris Saclay & OFCE, hubert.kempf@ens-paris-saclay.fr

Dr. Margarita López Forero, Banque de France, mariamargarita.lopezforero@banque-france.fr

Prof. Michel Guillard, Université d'Évry, michel.guillard@univ-evry.fr