Olena Bogdan

Stanford Graduate School of Business

655 Knight Way, Stanford, CA 94305

Born on March 9th, 1998

French citizenship

E-mail: [olenabg@stanford.edu](mailto:olenabg@stanford.edu)

# EDUCATION

**2022-2024 :** Stanford University

Relevant Coursework: *Econometrics (A), Empirical Corporate Finance (A+), Organizations & Sustainability (A)*

**2019-2023 :** École Normale Supérieure de Lyon (Diplôme de l’ENS de Lyon)

Relevant Coursework (Math): *Real Analysis, Topology, Statistical Inference, Probability Theory*

Relevant Coursework (Econ): *Advanced Microeconomics, Advanced Macroeconomics, Econometrics, Game Theory*

Relevant Coursework (CS): *Machine Learning*

**2020-2022**: Msc Advanced Economics with High Honors, ENS de Lyon (Ranked 1)

**Graduate Thesis** under the supervision of Clément Gorin (Sorbonne University) and Jean-Edouard Colliard (HEC). Grade: 18/20.

*Financial Regulation under the Scrutiny of Machine Learning*

**2019-2020**: Bachelor’s degree with High Honors, ENS de Lyon (Ranked 1)

**Undergraduate Thesis** under the supervision of Philippe Solal (Saint-Etienne University). Grade: 19/20.

*A Cooperative Game Analysis of Hierarchy in a Network: Application to the European supply Gas Chain*

**2017-2019:** Preparatory class « Lettres et Sciences Sociales » (B/L) Lycée du Parc, Lyon

Relevant Coursework (Math): *Real Analysis, Probability Theory, Combinatorics, Linear Algebra*

Relevant Coursework (Econ): *History of Economic Thought, Microeconomics, Macroeconomics*

# RESEARCH EXPERIENCE

**September 2022-Present**: Predoctoral Research Fellow at Stanford Graduate School of Business under the supervision of Professor Chenzi Xu and Professor Antonio Coppola.

* Constitution of a novel database on international banking structure from 1850 to 1990 using Banking Almanacs: cleaning, fuzzy merge, and final dataset construction (Stata), visual comparative analysis (Python), OCR (Python).
* Derivations for a model of liquidity in bond markets for Coppola, Krishnamurthy, Xu (2023). “Liquidity, Debt Denomination, and Currency Dominance”, WP.
* Empirical analysis, data collection and data visualization for a variety of projects related to historical financial crises, international trade, and international capital flows.

**January-March 2022**: Research assistant at Princeton University under the supervision of Professor Adrien Matray.

-       Cleaning of Indian firm-level data (Prowess) and industry-level data (Annual Survey of Industries).

-       Cleaning of Italian province-level data on foreign housing demand (Survey of International Tourism and Survey of Income and Wealth).

**May-August 2021**: Research assistant at HEC Paris under the supervision of Professor Jean-Edouard Colliard.

* Replication of Calvano et al. (2020). “Artificial intelligence, algorithmic pricing, and collusion.” AER, and preliminary analysis (Matlab) for Colliard, Foucault, Lovo (2023). “Algorithmic Pricing and Liquidity in Securities Markets”, WP.
* Literature review on Capital Regulation for Executive Coursework with a particular focus on the African continent.
* Support on different ancillary econometric projects (data cleaning and data visualization) in Stata.

**June-December 2020:** Research assistant at ENS de Lyon under the supervision of Professor Pierre-Philippe Combes.

* Machine learning and cartographic work (QGIS) for Combes et al. (2023). “The emergence, growth, and stagnation of cities: France 1760-2020”, WP.

**February-June 2020**: Research assistant at ENS de Lyon/ UCSD under the supervision of Professor Claire Adida.

* Data collection on African politician ethnic origins and group belonging.

**December 2019-April 2020**: Research assistant at ENS de Lyon under the supervision of Professor Sophie Hatte.

* Data processing (image and text collected from Twitter) on the Israeli-Palestinian conflict for Hatte, Madinier, Zhuravskaya (2023). “Reading Twitter in the Newsroom: Web 2.0 and Traditional-Media Reporting of Conflicts”, WP.

# OTHER EXPERIENCE

**March-August 2022**: Economist and Game Designer at Revolt Games.

* Construction of a mini-sized economy with a particular focus on tax structure.
* Introduction of cryptocurrency tokens into the existing game economy (web3), the establishment of a strong system of incentives to spend with Token Engineering Lab.
* Preparation of a White paper for fundraising (for Neoland).

**September 2021-March 2022**: Oral Examiner in Economics and Sociology at Lycée des Chartreux.

# ADDITIONAL INFORMATION

**Languages**: Ukrainian (native), French, English, Spanish, and Russian (fluent), German (B1: intermediate), Chinese (A1: beginner)

**Software and programming:** Stata, R, Python, Matlab, QGIS, Java, Mathematica, LaTex.