

FRANCISCO GUERRERO

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EDUCATION

Master in Economics

Universidad de San Andrés (UDESA)

Thesis : *Sectorial and qualitative differentiation for heterogeneous financial intermediaries*

Relevant courses: Applied Economics, Dynamic-Macro, Macro-Econometrics, Big Data, Social Complex Systems.

Licentiate Degree in Mechatronics Engineering

Thesis : *Design and Construction of a Viscous's Liquids Filling Machine for Micro-enterprises in Agribusiness's Sector.*

Universidad Nacional de Piura (UNP)

Feb. 2021 - Feb 2022

Buenos Aires, Argentina

June. 2018

Piura, Peru

WORK EXPERIENCE -PROFESSIONAL

Scoring Analyst Jr, [VENTIU](#)

Management, cleaning of databases.

Risk Analysis and development of statistical models for credit assesment

Development of Scoring and Pricing models.

Jun. 2022 - Present

Consultant, [OL&AS](#)

Data Analysis.

Implementation of Business Intelligence Techniques

Management of Information

Aug. 2022 - Oct 2022

Software Engineering Intern, [Efferent Health LLC](#)

Analysis, development and fix of code's (TypeScript, C#) bugs for the visualization and movement of 3D objects and canvas for web platform.

Feb. 2020 - Jul. 2020

WORK EXPERIENCE -ACADEMIC

Teaching Assistant, Universidad de San Andrés (UDESA)

Teaching Assistant of International Macroeconomics,

Teaching and Introduction to the Julia Language, Vs Code, Algorithm Design, and Debt Models

Sep. 2022 - Nov 2022

Teaching Assistant, Pontifical Catholic University of Peru (PUCP)

Teaching data cleaning/management ,linear and non-linear econometric's methods in STATA.

Introduction to statistical analysis, and impact evaluation methods.

Support and aide to the main professor in the STATA Course for Economists.

Tutoring groups of roughly 25 students with coding difficulties.

Dec. 2021 - May 2022

Research Assistant, UNP

Contestant in Startup 5G's Contest: Development of home's security appliance using artificial engineering (Python).

Contestant in Innovate FPGA 2019: Development of 6 degrees of freedom robot (C++).

Python and C++ tutoring for undergrad students.

Feb. 2019 - Nov. 2019

COURSES AND CERTIFICACION

IADB: Behavioral Economics for Better Public Policies.

Nov 2020

Universidad del CEMA: Finanzas Cuantitativas QUANTX

May-Nov 2022

DataCamp: Applied Finance with Python

March 2022

Data Camp: [Certification as a Data Scientist Associate](#)

Feb 2023

RESEARCH

Udesa: Dynamics of contagion and immunity thresholds in social environments

<https://github.com/fguerrero/Courseworks/blob/main/Documents/complexSocialSystems.pdf>

Aug 2022

Udesa: Sectorial and qualitative differentiation for heterogeneous financial intermediaries.
<https://github.com/fguerrero1/Courseworks/blob/main/Documents/masterThesis.pdf>

Aug 2022

UCEMA: Optimizacion de Portafolio, Hedging y Gestion de riesgo
<https://github.com/fguerrero1/Courseworks/blob/main/Documents/quant.pdf>

Dec 2022

Udesa Propuesta de Investigación: Predicción del tipo de cambio nominal versus la tasa de inflación mensual *Dec 2021*
<https://github.com/fguerrero1/Courseworks/blob/main/Documents/bigData.pdf>

EXTRACURRICULAR ACTIVITIES

Volunteer, Data Science Research Peru *Sept. 2020 - March. 2021*
Jury, monitor and mentor in “Semilleros” Program (objective: inducting general public to coding).

Associate, Robotics Club Piura *Feb. 2017 - Dec. 2017*
Development of velocists and mini sumo robots for competitions (Ecuadorian and Peruvian competitions).

SKILLS

Languages: Spanish (Native), English (Fluent), French (Basic), German (Basic).

Programming Languages: Stata, Python, R, Julia, C++, Matlab, and LaTeX.

Other Software and Skills: QGIS (spatial analysis), Qualtrics surveys, Web Scraping.

REFERENCES

PhD Federico Sturzenegger	Professor, UDESA	fsturzenegger@udesa.edu.ar
PhD Javier Garcia-Cicco	Professor, UDESA	garcia.cicco.j@gmail.com
PhD Francisco Roldán	Economist, IMF	foldan@nyu.edu