

# FRANCISCO GUERRERO

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## EDUCATION

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### Master in Economics

Universidad de San Andrés (UDESA)

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

Degree Conferral: June 2022

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

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### Teaching Assistant, Pontifical Catholic University of Peru

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 - Present*

### 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*

### 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*

## EXTRACURRICULAR ACTIVITIES

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### Volunteer, Data Science Research Peru

Jury, monitor and mentor in "Semilleros" Program (objective: inducting general public to coding).

*Sept. 2020 - March. 2021*

### Associate, Robotics Club Piura

Development of velocists and mini sumo robots for competitions (Ecuadorian and Peruvian competitions).

*Feb. 2017 - Dec. 2017*

## SKILLS

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**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.

## SELF-STUDY COURSES

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**Data Camp:** Data Science with Python Track.

*Sep 2021*

**IADB:** Behavioral Economics for Better Public Policies.

*Nov 2020*

**Wharton Online School:** Finance Quantitative Modeling for Analysts

*Current*

**DataCamp:** Applied Finance with Python

*Current*

## REFERENCES

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PhD Javier Garcia-Ciccio - Professor, UCEMA - [jgarciac@ucema.edu.ar](mailto:jgarciac@ucema.edu.ar)

PhD Francisco Roldán - Economist, IMF - [foldan@nyu.edu](mailto:foldan@nyu.edu)