

Piero Alexander Simeon Bustillos

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Professional Profile

Economics student with a solid background in applied econometrics, quantitative methods, and macroeconomic analysis. Experienced in software development, web scraping, systematic literature review, collection and processing of quantitative and qualitative data, and machine learning modeling. Currently completing an international internship in the Engineering Division at Macroconsult Perú.

Education & Certifications

Universidad Nacional Mayor de San Marcos

B.S. in Economics (2022–2027) — **Top 20%**

Relevant Courses: Financial Mathematics, Corporate Finance, Econometrics, Advanced Macroeconomics, Applied Statistics, Capital Markets.

RIEF Winter School — Scholar (2025)

Advanced program in quantitative macroeconomics and finance: market dynamics, asset management, financial risk, and structural modeling.

DataCamp — **Data Scientist Certification** (2026)

Professional certification in data science: machine learning, statistical analysis, data visualization, large-scale data handling, and reproducible workflows in Python.

Experience

International Engineering Intern — Macroconsult Perú

(May 2026–Present)

- Development of software tools and automated pipelines for internal data workflows.
- Web scraping of macroeconomic and sectoral data sources using Python (requests, BeautifulSoup, Selenium).
- Processing and structuring of large datasets to support consulting and research outputs.

Research Assistant — Renato Vassallo, PhD Candidate

(2026–Present)

- Estimated BVAR models with *Pandemic Priors*, MS-BVAR, Panel BVAR, and threshold BVAR in MATLAB.
- Identified economic regimes using the vacancy/unemployment ratio and structural impulse-response functions.
- Systematized results with version control in Git/GitHub for reproducible workflows.

Research Assistant — William Sanchez

(2026–Present)

- Modeled panel data with macroeconomic and microeconomic variables.
- Developed APIs for data extraction and processing from INEI (macro and microeconomic data).

Undergraduate Thesis Project

(2024)

Impact of risk factors on business viability in Peru (2017–2022).

- Applied binary logistic regression models to firm-level data from the National Economic Census (CENEC).
- Estimated marginal effects and constructed predictive maps of business failure risk by economic sector.

Technical Skills

- **Programming Languages:** Python, R, MATLAB, JavaScript, HTML/CSS, C/C++.
- **Data & Econometrics:** Stata, EViews, SQL, pandas, numpy, scikit-learn, matplotlib.
- **Web Development & Scraping:** REST APIs, BeautifulSoup, Selenium, requests.
- **Modeling:** BVAR, MS-BVAR, Panel BVAR, logistic regression, panel data, time series.
- **Tools:** Git/GitHub, $\LaTeX$, Excel (advanced), Power BI.
- **Languages:** Spanish (native), English (professional).