

# OSCAR HERRERA GONZÁLEZ

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Senior Economics student interested in Data Science (*ML & BD*) and Quantitative Finance. Received academic training as a software engineer. Flexibility to work with Python, R, MATLAB or Stata.

## EXPERIENCE

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### Research Assistant.

Faculty of Economic and Administrative Sciences,  
Pontificia Universidad Católica de Chile.

Santiago, Chile.

July, 2022 -  
October, 2022.

- Research Assistant on trading topics with prof. Vincent Van Kervel (phd. Finance, Tilburg University).
- Studied interactions between different types of agents of the markets. Focus on institutional investors.
- Data analysis executed through R scripts over market data. Also, performed construction of code documentation.
- Data analysis programming with attention to handling common problems of a 20 GBs database.

### Investment Analyst Intern.

Wealth Management, Falcom Asset Management.

Las Condes, Chile.

January, 2022 - April, 2022.

- Asset allocation analysis performed for improvement proposals for benchmarks and investment strategies.
- Construction of documentation of the previous point.
- Databases management and working experience with Bloomberg Terminal.

## EDUCATION

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### Minor in Computer Science.

Pontificia Universidad Católica de Chile.

Santiago, Chile.

August, 2020 - November, 2022.

- Program of the Computer Science Department (Engineering Faculty) open to students of other bachelors.
- Curriculum composed by the same minimum courses of B.Sc. Software Engineering.
- Hundreds of hours of programming experience with Object-Oriented Programming.
- Programming experience with tools such as Ruby, Rails, HTML, VBA, PHP, pandas and MongoDB.
- Developed proficiency with Python for Software Development.

### Title in Economics

(Extra year of studies required by chilean law).

Pontificia Universidad Católica de Chile.

Santiago, Chile.

August, 2021 -  
August, 2022 (expected).

- Year of studies required, equivalent to one of the two years of the Master in Applied Economics (same graduate courses).
- Comprehensive exams are also a requirement.
- Topics: Financial Markets, Machine Learning and Time Series.

### B.Sc. Economics.

Pontificia Universidad Católica de Chile.

Santiago, Chile.

March, 2016 - August, 2022 (expected).

- Learned fundamentals of Microeconomics, Macroeconomics, Finance, Econometrics, Statistics, Algebra and Calculus.
- Areas of interest: Econometrics, Mathematic modelling, Algorithmic Trading and Quantitative Finance.

## TECHNICAL SKILLS & NON-TECHNICAL SKILLS

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**Computational skills:** Python, R, MATLAB, Stata, SQL, Excel, L<sup>A</sup>T<sub>E</sub>X and git.

**Languages:** Spanish (native) and English (fluent).

## ACTIVITIES

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Weightlifting Team Athlete, Pontificia Universidad Católica de Chile.

August, 2019 - March, 2022.