

# OSCAR HERRERA GONZÁLEZ

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Senior Economics student interested in Data Science 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.
- 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.
- 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).
- 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, SSH, pandas and MongoDB.
- Developed skills 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 GitHub 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.*