

# 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 on trading topics with prof. Vincent Van Kervel (phd. Finance, Tilburg University).
- Studied interactions between different types of agents of the market in context of algorithmic trading and agent-specific trading patterns.
- Data analysis executed through R scripts over market data and code documentation constructed.
- Handled manipulation problems associated to programming with a 20 GBs size database.

**Investment Analyst Intern.**  
**Wealth Management, Falcom Asset Management.**

**Las Condes, Chile.**  
*January, 2022 - April, 2022.*

- Asset allocation analysis performed for improvement proposals of benchmarks and investment strategies.
- 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.*

- Software Engineering academic training (Computer Science Department, Engineering Faculty).
- Programming experience with OOP and software development with Python.
- Coding experience with tools such as Ruby, Rails, HTML, VBA, PHP, SSH, PostgreSQL, pandas and MongoDB.

**Professional title in Economics**  
**Pontificia Universidad Católica de Chile.**

**Santiago, Chile.**  
*August, 2021 - August, 2022 (expected).*

- Extra year of studies required by chilean law to get an additional academic degree.
- Graduate courses and comprehensive exams are requirements.
- 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,  $\text{\LaTeX}$  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.*