

OSCAR HERRERA GONZÁLEZ

olherrera@uc.cl — Github: @olherreragz — Santiago, Chile.

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

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

Minor in Computer Science.
Pontificia Universidad Católica de Chile.

Santiago, Chile.
August, 2020 - November, 2022.

- Software Engineering academic training through program of the Computer Science Department, Engineering Faculty.
- Developed skills with Python for software development.
- Hundreds of hours of programming experience with Object-Oriented Programming.
- 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** equivalent to one of the two years of M.Sc. 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

Computational skills: Python, R, MATLAB, Stata, SQL, Excel, \LaTeX GitHub and git.
Languages: Spanish (native) and English (fluent).

ACTIVITIES

Weightlifting Team Athlete, Pontificia Universidad Católica de Chile.

August, 2019 - March, 2022.