

# Esteban Iglesias Manríquez

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esteban-iglesias

## Blockchain Developer

Self motivated, autodidact **Blockchain Developer, MSc in Applied Economics & Electrical Engineer**, passionate about a decentralized world & renewable energy. Versatile, polyglot professional (Spanish, English, French, Portuguese, Italian and Norwegian) with international experience doing research in world-class universities. Highly organised and proficient with several developing tools.

## Experience

Mar. 2021 **DeFi Project in Avalanche, Santiago, Chile and Rio de Janeiro, Brazil.**

to present Fork, design and development of a decentralized protocol deployed in the Avalanche Blockchain. Co-founder and full stack blockchain developer.

- Truffle and Solidity for developing and testing of Smart Contracts.
- Node, NodeJS, Express and web3js for backend development.
- ReactJS, Javascript and web3js for frontend development.
- Github and Github issues/projects for development and organization.

Jan. 2018 **Experimental research and development in Blockchain.**

to present Autodidact and experimental research and development of different blockchain protocols for personal usage.

- Experimental ERC20 tokens and ERC721 NFT's.
- Automatic trading both with centralized exchanges using API's and with decentralized exchanges.
- Automatic arbitrage. Liquidity mining and farming strategy analysis.
- Knowledge in Ethereum, Avalanche, Monero and Bitcoin blockchains.

Mar. 2020 **Yachay Data, Santiago, Chile.**

to Jun. 2020 Data analysis and COVID-19 data monitoring in Chile. Co-founder and editor.

- Programmed Python parsing algorithms to extract COVID19 data from government reports in an daily format changing scenario, constructing a GitHub repository for Chilean data.
- Creation of [mapacovid.cl](#), a Web Application implementation with 5,000+ visits that graphically shows stats. like fatality / recovery rate or the basic reproduction number  $R_0$  at department level.
- Performed non-conventional data analysis tailored to the general public. Increased [@yachay.data](#) Instagram followers by 4,000 and achieved 14,500+ likes in 3 months.

Oct. 2018 **Pontificia Universidad Católica del Perú (PUCP), Lima, Peru.**

to Mar. 2019 Visiting researcher founded by the Konrad-Adenauer-Stiftung (KAS) foundation. Electricity Markets

Jun. 2018 **University of Nottingham, Nottingham, United Kingdom.**

Conference "*Sustainable development in Chile and Latin America: Where is the missing link?*".  
Presentation: "*Renewables and Demand Response Market Design for the Chilean Electricity Market*".

Jan. 2018 **Environmental Change Institute, University of Oxford, Oxford, United Kingdom.**

to Jun. 2018 Visiting researcher at *Lower Carbon Futures Programme* and *Integrating Renewable Energy* groups.

Sep. 2015 **DualSun, Marseille, France.**

to Feb. 2016 Research & Development Internship in an innovative PV-T hybrid solar panel Start-up.

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## Education

- Mar. 2016 **Center for Applied Economics, Universidad de Chile, Santiago, Chile.**  
to Dec. 2018 MSc in Applied Economics in a university ranked 1st nationally (ARWU, 2020).
- Developed a model to assess the effects of the introduction of demand flexibility and storage systems on the efficient use of renewable energy technologies in the Chilean electricity market.
  - Awarded grant to do a research stay at the University of Oxford.
  - Thesis written completely in English: "*Demand Response and Renewable Energy Integration in the Chilean Electricity Market*" (Iglesias, 2018).
- Sep. 2013 **École Centrale Paris, now Université Paris-Saclay, Paris, France.**  
to Jul. 2017 MSc in General Engineering in a university ranked 13th worldwide (ARWU, 2021).
- Mar. 2011 **Universidad de Chile, Santiago, Chile.**  
to Jul. 2017 Electrical Engineer in Power and Energy Systems. Professional degree equivalent to B.Eng + 2 years.
- Assistant teacher in Economics Course and in Electronics & Arduino Laboratory.

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## Languages

Spanish	Native	English	C1 Level	French	C1 Level
Portuguese	C1 Level	Italian & Norwegian	B1 Level	Chinese	A1 Level

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## Software

- Programming Languages Solidity, C++, Fortran, Java, Javascript (Typescript), JuMP (Julia), LaTeX, Matlab, Python (Pandas, Seaborn), PHP, R, Solidity, Stata, SQL.
- Tools Truffle, Web3js, MS Office, MS Excel (VBA), TRNSYS, HomerPro, Apache, Ethereum Blockchain, Google Code, Git, Linux Servers, MySQL, nginx, MongoDB, Express, NodeJS, ReactJS, Docker.

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## Other Activities

- Exchanges
  - **Beihang University (BUAA), Beijing, China.** Summer School student (2015).
  - **Valler Videregående Skole, Sandvika, Norway.** One-year exchange (2008-2009).
- Passions *Vipassana* Meditation, trumpet, photography, piano, trekking, teaching, languages.