

Sebastian Franco Ulloa, PhD

Committed problem solver

Contact

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Languages

Spanish
English
Italian

Soft skills

Teaching
Scientific writing
Public speaking
Critical thinking
Creativity and innovation
Skill development

Consultant at Expert Analytics AS. PhD in biocomputational sciences with a background in physics and chemistry. My areas of interest include data science, machine learning, object-oriented programming, molecular dynamics, drug discovery, nanomaterials, and the theory of evolution. My values are based on the scientific method, critical thinking, and teaching. I am an analytical and compassionate person prompt to hear different perspectives on the same problem, to consolidate them into the most informed, and reasonable judgment possible.

Work History

- 2021-03 – **Consultant**
Present *Expert Analytics AS. Oslo, Norway*
- 2018-01 – **Researcher**
2021-02 *Italian Institute of Technology (IIT). Genoa, Italy*
- 2019-07 – **Guest researcher**
2019-12 *Hylleraas Centre for Quantum Molecular Sciences. Oslo, Norway*
- 2016-01 – **Part-time professor**
2016-06 *University of Los Andes. Bogotá, Colombia*
- 2013-08 – **Teaching assistant**
2016-01 *University of Los Andes. Bogotá, Colombia*

Education

- 2017-11 – **PhD Biocomputational sciences (cum laude)**
2021-03 *Italian Institute of Technology (IIT). Genoa, Italy.*
- Thesis title: "Multiscale Modeling of Metal Nanoparticles for Biotechnological Applications."
- 2018-09 – **Data science certificates of accomplishment (245 hour total)**
2020-03 *DataCamp, Inc. Online*
- 2012-01 – **BSc. Physics (GPA 4.32/5.00)**
2017-06 *University of Los Andes. Bogotá, Colombia*
- 2011-08 – **BSc. Chemistry (GPA 4.30/5.00)**
2016-12 *University of Los Andes. Bogotá, Colombia*
- 2016-07 – **Summer school "Modern physics at all scales"**
2016-06 *University of Leiden. Leiden, The Netherlands*

Volunteering

- 2019-12 – Reviewer at the *Journal of Chemical Theory and Computation* (American Chemical Society press, impact factor 6.006). Hand-picked by an associate editor to comment on manuscripts submitted for publication
- Present
- 2014-10 – Elected member of the board of directors at the student's representative council. Campaigned and won a position as the student's representative at the Institutional Committee of Student Affairs, University of Los Andes. Bogotá, Colombia. This committee is the last instance available for students in academic and disciplinary processes
- 2015-09
- 2012-08 – Teacher and fundraiser at SOSAndes – Students Offering Support. Bogotá, Colombia. Raised ca. 300€ giving physics classes to build shelters for people from the lowest-income regions of Colombia
- 2013-07