Luis Jover

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Objective

To obtain a challenging Data Science position in a high quality technology company.

Experience

Georgia Institute of Technology — Atlanta, GA
Graduate Research Assistant — 2011 - Present

- Studying dynamics and infection networks of complex host-virus systems. Created a novel model to estimate virus elemental composition from its size.
- Visiting fellowship at the National Institute for Mathematical and Biological Synthesis.
- Disseminated knowledge: 4 journal papers, 2 talks, 4 poster presentations, mentored Summer intern.

AT&T — Plano, Texas
Big Data Intern — June 2015 - August 2015

- Central role in the entire life-cycle of a project with a 4 MM valuation, which required data collection and cleaning. Deliverables from the project include:
  - Web scraper to understand user sentiment and engagement with the product.
  - Insights from natural language processing on unstructured chat data.

Georgia Institute of Technology — Atlanta, GA
Graduate Teaching Assistant — 2010 - 2012

- Introductory Physics I (three semesters).
- Mathematical models in biology.

Universidad Simón Bolívar — Caracas, Venezuela
Physics I Instructor — 2010

- Designed and instructed the class.

Education

Georgia Institute of Technology — Atlanta, GA
Ph.D. Physics — 2010 - present

- Expected graduation: May 2016.
- Thesis advisor: Prof. Joshua Weitz.
- Thesis topic: Infection networks, life-history traits, and dynamics in complex host-phage systems.
- Minor: Data Science.

Universidad Simón Bolívar, — Caracas, Venezuela
B.S. Physics, *cum laude* — 2009

Skills

Specialties: Interdisciplinary work (quantitative biology, theoretical ecology), data analysis and mathematical modeling in data-driven problems.
Programming languages: MATLAB, Python, R, SQL.
Selected Coursework: Machine learning, Data Mining, Statistical Methods, Hortonworks Data Science (four days intensive course), Teradata (one day training).
Languages: English, Spanish.

Selected Publications

LF Jover, C Effer, A Buchan, SW Wilhelm, JS Weitz, The elemental composition of virus particles: implications for marine biogeochemical cycles. **Nature Reviews Microbiology** 12.7 (2014): 519-528.
LF Jover, MH Cortez, JS Weitz, Mechanism of multi-strain coexistence in host-phage systems with nested infection networks, Journal of Theoretical Biology (2013).