# Mariana Isabel Vivas Albornoz

✉ marianaalbrnz@gmail.com   ☎ +58 416 939 6939   ⌗ github.com/marianaiv
♨ 1st August 1997   📍Caracas, Venezuela

## EDUCATION

**Universidad Central de Venezuela**                    **Caracas, Venezuela**
*B. Sc. Physics*                                             *Oct 2015 – Present*
Mention: Theoretical physics

- Final degree project: *Search for new physics using jets and machine learning techniques*
- Advisors:
  - Reina Camacho Toro. Researcher CNRS. ATLAS experiment.
  - Camila Rangel Smith. Research Data Scientist. The Alan Turing Institute.

- Weighted average – **16.99/20**
- Percentage of career advancement – **83%**

## TEACHING

**Undergraduate teaching assistant**                    **Caracas, Venezuela**
*Physics I – Universidad Central de Venezuela*                *May 2019 – Present*

## MOOC

- Machine Learning (Coursera) – [GitHub repository]
- Learning How to Learn (Coursera)

## COURSES/WORKSHOPS

**Introduction to Particle Physics**
*CEVALE2VE*                                              *May 2019 – Present*

**Theory and Practice in BigData & Cloud Data Analysis Using Open Source**
*ICTP - Physics Without Frontiers 2019 – Caracas*
Workshop by Dr. Arturo Sánchez Pineda                        *October 2019*

## ADVANCED TECHNICAL SKILLS & KNOWLEDGE AREAS

- Programming Languages
  - **Python** [Basic]: Data analysis
  - **C++** [Basic]: Object-oriented concepts and std usage
  - **Wolfram Mathematica** [Basic]: Calculations and data visualization
- Tools
  - **Jupyter Notebooks** [Basic]: Data analysis
  - **Latex** [Good]: Laboratory reports, presentations
  - **Git** [Basic]

## LANGUAGES

**Spanish** [Native]      **English** [Good]      **French** [Basic]

## EXTRACURRICULAR ACTIVITIES

**Ballet de la Mar Foundation - Nina Novak Nucleus**         **Caracas, Venezuela**
*Classical ballet*                                           *Nov 2016 – Present*

**Tempo Ballet School**                                      **Caracas, Venezuela**
*Classical ballet*                                           *Jan 2016 – Nov 2018*