

Juan Barbosa

Curriculum vitae

WORK EXPERIENCE

JULY 2016 – PRESENT

Universidad de los Andes, Colombia

JTA Computational Methods

- Introduced a set of Python algorithms to help the grading procedure, throw the systematic analysis of students code.
- Inspired students to develop computational sciences skills such as ODE, PCA, FFT.
- Guided students to solve in class problems.

JANUARY 2016 – JUNE 2016

Universidad de los Andes, Colombia

JTA Physics I

- Developed course solutions to tests and exercises.

JULY 2015 – NOVEMBER 2015

Universidad de los Andes, Colombia

JTA Physics I

- Developed course solutions to tests.
- Wrote performance reports of applied tests.

JANUARY 2015 – JUNE 2015

Universidad de los Andes, Colombia

JTA Astrobiology

- Wrote performance reports of applied tests.
- Graded final projects.

📍 Calle 126 # 52 A 92
Bogotá, Colombia
☎ 57 (316) 7946510
✉ js.barbosa10@uniandes.edu.co
🌐 www.github.com/jsbarbosa

EDUCATION

2014 – PRESENT **Chemistry major**
Universidad de los Andes, Colombia

2013 – PRESENT **Physics major**
Universidad de los Andes, Colombia

2013 **Astronomy seminar**
DIPLOMA
Universidad Sergio Arboleda, Colombia

PUBLIC PROJECTS

2016 **SpecPy** (github.com/jsbarbosa/specpy)
Real time Spectrum Analyzer

2016 **BlinkDetection**
(github.com/jsbarbosa/Blink-Detection)
Detect blinking using a web camera

2015 **Rutherford Chemistry**
Gas chromatography - mass spectrometry software

COMMUNICATION SKILLS

SPANISH Native speaker

ENGLISH Oral: fair – Written: fair

FRENCH Oral: proficient – Written: bad

SOFTWARE SKILLS

GOOD LEVEL Python, Java, Shell, Linux, \LaTeX

INTERMEDIATE C, git, PHP, HTML

BASIC LEVEL Mathematica, VBA