

Javier Castro

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EDUCATION

FLORIDA INTERNATIONAL UNIVERSITY

BACHELOR OF SCIENCE IN PHYSICS

August 2017 - May 2021 (expected) | Miami, FL
 Concentration in Engineering, with Minor in Mathematics,
 and Minor in Astronomy
 College of Arts, Sciences, and Education
 Dean's List (Fall 2017, Fall 2018, Spring 2019, Fall 2019)
 Overall Cum. GPA: 3.79 / 4.0
 Physics and Math Cum. GPA: 3.92 / 4.0

COURSEWORK

MATHEMATICS

Calculus I, II, & III
 Differential Equations
 Linear Algebra
 Number Theory
 Discrete Methods
 Introduction to Advanced Mathematics

PHYSICS

Physics I & II
 Thermodynamics
 Modern Physics I & II
 Modern Physics Lab
 Astrophysics
 Classical Mechanics I
 Electromagnetism I & II

ENGINEERING

Circuits Analysis
 Electronics I
 Fields and Waves

SKILLS

NATURAL LANGUAGES

Native: Spanish, English
 Basic: French, Russian

PROGRAMMING

Over 10000 Lines: LaTeX
 Over 5000 Lines: Python, Bash
 Over 3000 lines: C
 Over 1000 lines: Perl

MUSICAL INSTRUMENTS

Piano:
 School Band Pianist (2014 - 2015)
 Grey Walls Band Pianist (2014 - 2015)

EXPERIENCE

FIU ASTRONOMY CLUB EXECUTIVE BOARD

TREASURER (VOLUNTARY)

September 2019 - Present

Obtained quotations for products and services, submitted financing applications, recorded meeting minutes, took attendance in club events.

FLORIDA INTERNATIONAL UNIVERSITY

LEARNING ASSISTANT

August 2018 - Present

Reviewed course material with students, worked through practice problems, clarified doubts, graded homeworks and quizzes, proctored exams.

- Tutoring in: Calculus I, II, & III; Differential Equations; Linear Algebra; Physics I Lab; Modern Physics Lab

CENTRO DE DESARROLLO INTEGRAL

INFORMAL TUTOR (VOLUNTARY)

October 2015 - May 2016

Reviewed course material with students, worked through practice problems, helped them prepare for their tests.

- Voluntary tutoring in mathematics courses

CHOI KWANG DO

ASSISTANT INSTRUCTOR (VOLUNTARY)

September 2012 - June 2015

Helped students practice their patterns, ran warm-ups at the beginning of class, assisted in examinations, and participated in demonstrations.

- Attained black belt

SOCIETIES

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|------|-------|-----------------------------|
| 2019 | FIU | Astronomy Club |
| 2018 | FIU | Society of Physics Students |
| 2015 | CeDIN | Club de Matemática |

REFERENCE CONTACTS

- Emmanuel Rodríguez (Professor):
emmanuelrodriguez@intermetro.edu
- Scheila Pérez (Professor):
scheilaperez@intermetro.edu