

GUILLERMO MATRANCA
1400 SALZEDO STREET APT. 103 MIAMI, FL. 33134



EDUCATION

Florida International University **Miami, Florida**
B.S. in Physics with a Minor in Mathematical Sciences
Graduation date- May 1, 2007

Florida International University **Miami, Florida**
M.S. in Solid State Physics
Graduation date- June 14, 2012
Link to Thesis- <https://fiu.edu/~gmatr001>

WORK EXPERIENCE

Miami Dade College-Wolfson Campus **Miami, Florida**
Adjunct Faculty August 2015 - Present

- Lecturing Physics without Calculus combined with Lab (PHY 2053 and PHY 2053L), Basic Physics (PHY 1025), Energy in the Natural Environment (PSC 1515) and Astronomy (AST 1002).

Law Enforcement Officers Memorial High School **Miami, Florida**
Interventionist March 2017 – June 2017

- I facilitate and monitor the delivery of specified interventions and assessments related to student achievement for Math and Science.

Claumar **Miami, Florida**
Administrative/Executive assistant August 2011- March 2017

- A wellness center for health and beauty. Assisted in product inventory, managed regulations and policies from the city of Coral Gables, interviewed clients, managed advertisements.

Universal Public Adjusters **Miami, Florida**
Insurance Public Adjuster September 2014-March 2016

- I handle residential, commercial, and aviation property claims. I represent losses for the insured so they can receive a maximum recovery on their claim.

ASPIRA of Florida Charter School **Miami, Florida**
Science Teacher *April - June 2014*

- I was a teacher for 7th grade General Science class. I taught basic principles for fields in Chemistry, thermodynamics, and electricity.

W.R. Thomas Middle School **Miami, Florida**
Mathematics Teacher *November 2013-March 2014*

- Taught advance math for 7th and 8th graders in a new program called iprep math.

Miami Dade College-Wolfson Campus **Miami, Florida**
Adjunct Faculty *January - August 2013*

- Lectured General Education Physical Science (PSC 1121) and Energy in the Natural Environment (PSC 1515).

Switch On **Miami, Florida**
Teacher *Summer 2007*

- A state funded program for residential high school students during the summer to learn physics.

CHEPREO (Center for High Energy Physics Research & Education Outreach) **Miami, Florida**
Fellow, tutor, and teacher assistant *January 2005 – May 2007*

- A program that applies a different approach to learning Physics I & II.

Education Outreach **Miami, Florida**
Trainee *Summer 2005*

- A summer workshop that teaches the modeling approach in Physics education.

CCS (Creating Culture in Science) **Miami, Florida**
Tutor *Fall 2002 – Summer 2003*

- Tutored Calculus I & II and Chemistry I & II.

TRAVEL EXPERIENCE

Wuhan National Laboratory for Optoelectronics **Hubei, Wuhan**
Establishing Collaborations on Electronic and Optoelectronic Nanomaterial Research *Summer 2011*

- Presented my research and participated in their active research which involved synthesis and applications of carbon nanotubes and semiconducting nanowires in optoelectronic devices.

EXTRACURRICULAR ACTIVITIES

Society of Physics Students (SPS)

Spring 2005 – May 2007

- Active member in the FIU chapter

VOLUNTEER EXPERIENCE

FIU Public Program Star Party

Fall 2006

- Assisted in setting up “Women in Astronomy” event

FIU Physics Open House to High School Students

Spring 2005

- Mentored high school seniors interested in physics.

LANGUAGES

- Bilingual - Fluent speaker and writer in Spanish.
- Computer Languages – FORTRAN, C++, MySQL, Java, HTML and CSS.

REFERENCES

Dr. Xuewen Wang	<i>Department of Physics, FIU</i>	305-348-3956
Dr. Richard Bone	<i>Department of Physics, FIU</i>	305-348-3082
Dr. Brian Raue	<i>Department of Physics, FIU</i>	305-348-6073
Dr. Wenzhi Li	<i>Department of Physics, FIU</i>	305-348-7257
Dr. Jiandi Zhang	<i>Department of Physics, LSU</i>	225-578-4103
Dr. Jorge C. Gibert	<i>Department of Natural Science, MDC</i>	305-237-3025