

Alejandro Suarez

Biomedical Engineering Department, Florida International University.
(785) 870 – 3505 | asuar252@fiu.edu

SKILLS SUMMARY

Proficient: MATLAB, C/C++, Python, LabView, Arduino, Proteus, Origin, Microsoft Office

Languages: Bilingual – Fluent in Spanish and English.

EDUCATION

Florida International University

Aug 2019 Onwards

Doctor of Philosophy in Biomedical Engineering

Graduate Research Student of Neuronal Mass Dynamics Laboratory

University of Havana, Havana, Cuba

Sep 2011 - July 2016

Bachelor of Science in Physical Engineering, CGPA: 4.33/5

Dissertation title: "Complementary Automatic System for Measuring Atomic Absorbance"

RESEARCH AND WORK EXPERIENCE

Department of Biomedical Engineering, FIU

Aug 2019 - Present

Graduate Research Volunteer, Neuronal Mass Dynamics Laboratory

Advisor: Dr. Jorge Riera

Topic: Understanding and modeling neurovascular and neurometabolic coupling phenomena in order to interpret BOLD hemodynamic response functions of brain activity in normal and pathological conditions.

Department of Biomedical Engineering, FIU

Aug 2019 - Present

Graduate Teaching Assistant, Neuronal Mass Dynamics Laboratory

Advisor: Dr. Jorge Riera

IMRE - University of Havana, Havana, Cuba

Sep 2016 - Feb 2017

Researcher, Photovoltaic Energy Department.

Advisor: Dra. Lidice Vaillant Roca

Topic: Researching about more affordable techniques to produce solar cells. Developing devices and software to measure solar cells performance.

University of Havana, Havana, Cuba.

Sep 2016 - Feb 2017

Undergraduate Teaching Assistant, General Physics Department, Physics Faculty.

Courses:

- Classical Electromagnetism Laboratory Sep 2013 – Jan 2014
- Digital Electronic Laboratory Jan 2014 – July 2015
- Optics and Modern Physics (Faculty of Biology) Sep 2015 – Jan 2016

University of Havana, Havana, Cuba.

Sep 2016 - Feb 2017

Undergraduate Research Assistant, General Physics Department, Physics Faculty.

Topic: Developing devices and software for automatic measuring.