

HONORS & AWARDS

Dean's List

Fall 2016

Spring 2017

Fall 2017

Spring 2018

Recipient of Florida
Bright Futures
Scholarship

Adalio Sanchez
Scholarship Recipient

**PROFESSIONAL
DEVELOPMENT**

Oral Research

Presentation:

National Biomedical
Engineering Society
Conference (2018)

Poster Research

Presentation:

CURFIU Research
Conference (2018)

MEMBERSHIPS

Coulter Undergraduate
Research Excellence
Program (CURE)

Inductee to Tau Beta Pi
(National Engineering
Honor Society)

Inductee to Au Eta Mu
(National Biomedical
Engineering Society)

LANGUAGES

Fluent in English
Conversational Spanish

COMPUTER SKILLS

MATLAB

Excel

EDUCATION

Florida International University, Miami, FL

Expected: May 2020

Bachelor of Science in Biomedical Engineering (GPA 3.77)

RESEARCH

Cardiovascular Matrix Remolding Laboratory (FIU)

Miami, FL

Research Assistant

Jan. 2017 – Present

- 🐾 **Current Project Title:** "Identify and Quantify Extracellular Vesicles through Tunable Resistive Pulse Sensing (TRPS) in Vitro"
- 🐾 Optimized the sensitive and innovative TRPS protocol in order to obtain accurate and repeatable data for biological samples
- 🐾 Studies cardiovascular calcification in vitro through both promoting and limiting factors and performs post-experimental gene expression and protein analysis test

WORK EXPERIENCE

Dance Unlimited Miami

Miami, FL

Dance Instructor

Aug. 2016 - Present

- 🐾 Teach students from the ages 4-15 the discipline and technique required in different styles of dance, such as Ballet, Jazz, Contemporary, Tap, and Hip-Hop
- 🐾 Maintain a controlled yet fun environment with about 15-20 students per class
- 🐾 Create and update syllabi for varying classes depending on the age group, skill within the group, and style of dance

VOLUNTEER EXPERIENCE

I AM PERFECTA

Founder

June 2018-Present

- 🐾 Service project aiming to create awareness for Osteogenesis Imperfecta (OI), brittle bone disease
- 🐾 Visit local supporting hospitals and hold special events such as karaoke and "Shake Your Bones" dance parties for patients

FIU Summer Research Initiative (SRI)

Mentor

June 2018-Aug. 2018

- 🐾 Taught high school student volunteers basic research laboratory skills while also providing a small research project preparing them for an end of summer research presentation

LEADERSHIP

Florida International University Biomedical Engineering Society (FIU BMES)

STEM Outreach Coordinator

Aug. 2018-Present

- 🐾 Manifest different science, technology, engineering and math related projects in student lead BMES chapter
- 🐾 **Leadership Project:** To successfully establish, organize, and fundraise for a group of FIU BMES members to participate in an international medical-based mission trip

STEM OUTREACH

Engineering on Wheels

Nov. 2018-Present

Volunteer representing the Cardiovascular Matrix Remodeling Laboratory

- 🐾 Visit underprivileged communities and provide both learning and inciting activities involving heart anatomy and physiology