

Daniel Chaparro

15231 SW 80th St. Apt. 507, Miami, Florida 33193

dchap015@fiu.edu

(786) 317-9490

OBJECTIVE: To apply my education, determination, and problem-solving skills to make a positive impact in the biomedical engineering field.

EDUCATION:

Florida International University, Miami, Florida
Bachelor of Science in Biomedical Engineering

August 2018
GPA: 3.563/4.0

John A. Ferguson Sr. High School
Biomedical Academy Graduate

May 2014
GPA: 3.6 (5.7 weighted)

RELEVANT ACADEMIC PROJECTS:

Medical Instrumentation and Design – Fall 2016

- Led a team of 6 classmates to model and construct an incubator and a 3D printed hand controlled by muscle contractions
- Utilized an Arduino kit in conjunction with MATLAB software to design the appropriate circuit and code for the functionality of the projects
- Effectively and successfully completed both projects in a timely manner by following the guidelines and improvising when necessary

EXPERIENCE:

Cardiovascular Matrix Remodeling Laboratory **Research Volunteer** **May 2017 – Present**

- Learned basic laboratory procedures such as cell culture, protein assays, and RNA quantification
- Focused on the role of elastin in aortic valve diseases by experimenting on porcine aortic valve interstitial cells

Sylvan Learning Center, Miami, FL

Tutor/ Teacher

June 2015 – Present

- Tutored over 50 students, ages ranging 12 to 20, in the subjects mentioned below:
Biology, Chemistry, Physics, Algebra, Geometry, Trigonometry, Pre-Calculus, Calculus I, Calculus II, and SAT/ACT Math
- Helped students reach a two-letter-grade improvement in their classes

The Aldo Group, Miami, FL

Stock Associate

November 2014–January 2015

- Reviewed inventory daily and worked hand in hand with other sales associates to ensure efficient sales of hundreds of shoes

FIU Bridge to Success Summer Program

Intern

July 2014 – August 2014

- Worked as a team with three other interns to design and build an underwater remote-controlled rover.
- Learned to successfully water proof all the electrical components of the motors on the rover and solder the circuit board of the controller

LEADERSHIP:

International Fraternity of Phi Gamma Delta

Scholarship Chair

Fall 2016 – Fall 2017

- Create a scholarship plan to ensure that all members of the fraternity attained the highest possible GPA
- The Sigma Phi Chapter of Phi Gamma Delta at FIU achieved its highest average GPA Fall 2016

COMMUNITY SERVICE:

EARTH'S ANGELS

Volunteer

Fall 2016 – Spring 2017

- “Earth’s Angels” is a nonprofit organization which works with families of children who are either terminally ill or have gone through a medically related traumatic experience
- Went on many outings with families and their children to help them cope with their hardships
- Worked on data entry to account for the different families which attended

FIU’s Dance Marathon

Mr. Dance Marathon 2015

Spring 2015 – Spring 2016

- Helped raise over \$40,000 for Children’s Miracle Network Hospitals in a period of a year
- Chosen from a pool of 20 candidates as the main representative for the Dance Marathon

ACTIVITIES/AWARDS:

Alpha Eta Mu Beta BME Honor Society

Member

August 2017 – Present

Biomedical Engineering Society

Member

September 2016 – Present

John A. Ferguson Falcon Spirit Award

Recipient

2014

TECHNICAL / NON-TECHNICAL SKILLS:

Fluent in Spanish, Proficient in Microsoft excel, word, power point, one note, MINITAB and MATLAB