

Xavier A. Peralta

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EDUCATION:

Bachelor of Science in Bioengineering

Expected May 2019

Minor in Medical Physics

GPA: 3.28/4.00

Clemson University, Clemson, SC

Concentration: Biomaterials

Bachelor of Science in Physics (Dual Program)

May 2016

Anderson University, Anderson, SC

GPA: 3.37/4.00

Relevant Coursework: Biomaterials, Thermodynamics, Transport Phenomena, Statics, Biochemistry, Materials Processing, Biomechanics, Bioinstrumentation and Bioimaging Material Science Engineering

Organizations: Undergraduate Clemson Bioengineering Society Member

January 2018 – May 2018

SKILLS:

MATLAB, NetBeans, Solidworks Design, Microsoft Office, Pasco Capstone, 3D-printing

LANGUAGES:

Native in Spanish

LEADERSHIP AND RELEVANT WORK EXPERIENCE:

Anderson University Varsity Baseball Team, Anderson, SC

August 2013 – May 2017

NCAA Division II Student Athlete - Captain

- Managed a full-time student course load with 40 hours per week training and competition
- Balanced all school work at Clemson, while participating in a collegiate sport at another university

Savannah River Nuclear Solutions Intern, Aiken, SC

June 2015 – August 2015, May 2017 – August 2017

- Created budget sheets for Project Management and Control Systems
- Developed a Behavior Based Safety Evaluation for Slips, Trips, and Falls
- Provided updated Project Performance Based Incentives
- Helped create replica walls for a Glovebox Room

Student Shadowing in Operating Room

June 2017 – August 2017

Lexington Medical Center, Lexington, SC

Medical College of Georgia, Augusta, SC

- Observed a cervical spine surgery, kidney transplant, and gall bladder removal
- Shadowed a Medtronics and Stryker Sales Representative during operation

Design with Docs, Clemson University, Clemson, SC

January 2018 – May 2018

Creative Inquiry Team Member - Collaborate with Greenville Health System Clinicians

- Work with GHS on their Healthy Hummer device
- Solve issues regarding the device

Diabetic Ulcer Undergraduate Research, Clemson University, Clemson, SC

January 2018 – May 2018

- Analyze which biomaterial is best for a diabetic ulcer patch
- Perform a variety of test on different biomaterials

ARCHER DESIGN, Clemson University, Clemson, SC

August 2017 – December 2017

Creative Inquiry Team Member – Designing Targeted Solutions for Accessible Recreation

- Designed assistive devices for children in sports
- Worked with K-12 students with disabilities
- Experimented the archery designs with the students to assess effectiveness

COMMUNITY INVOLVEMENT:

- Nursing Home, Anderson SC, Volunteer – Lawn Work

October 2013

- Firewood Center, Anderson, SC, Volunteer – Chopped wood for the homeless

November 2013

- Chocolate Festival Fairgrounds, Aiken, SC, Volunteer – Set up fairgrounds

October 2014

- USCA Baseball, Aiken, SC - Summer Instructor for Children

June 2014 – July 2014