

Anthony Rivera De Jesús

Hc-3. Box 18038, Coamo, P. R. 00769
anthony.rivera14@upr.edu Cel. (787) 228-3076

OBJECTIVE

To develop my knowledge and personal skills in chemical engineering and to contribute to a research program, gaining and strengthening experience while deliver business results.

EDUCATION

University of Puerto Rico, Mayagüez Campus

GPA: 3.70/4.00, Mayor GPA 3.82

Bachelor of Science in Chemical Engineering

Minor in Science and Engineering of Materials

Expected Graduation Date: **Dec. 2015**

EXPERIENCE

NSF-REU & IGERT Summer Internship, Department of Chemical Engineering, University of South Carolina, Columbia, SC Present

Fabricate cathodes of new materials for solid oxide fuel cells, to increase electrochemical performance and stability

TMS Annual Meeting & Exhibition; Symposium: LMD 2015 Technical Division Student Poster Contest

Jan – May 2015

Co-author of "Study of Aluminum Matrix Composite (AMC) Used in the Deposition of Thin Films by RF Sputtering Magnetron"

Deposition targets fabrication via centrifugal casting and hardness determination

Undergraduate Research in Science and Engineering of Materials, University of Puerto Rico, Mayagüez Campus

Study aluminum matrix composites fabricated by different methods

Aug 2014 - May 2015

Evaluated the effect of the reinforcement of the composite.

Mechanical properties of composite fabricated by different methods.

Determined the effect of the effect of porosity on the mechanical properties

Jan - May 2014

Determined Brinell hardness.

Manufacturing and materials analysis.

Research in Participatory-Action for the Development of the Communities of the University of Puerto Rico, Mayagüez Campus

Structured analysis performed to find solutions to community problems

Jan - May 2013

Implemented plan for distribution of essential items to a community in need.

Work plan to improve community infrastructure

Association of Students in the Program of Honoring Studies; University of Puerto Rico, Ponce Campus;

Jan - May 2012

Mentored freshman students to pass Pre-calculus and General Chemistry courses.

Association of Students of Mathematics; University of Puerto Rico, Ponce Campus

Jan - May 2012

Tutored as volunteer

Supported professors of Mathematics at conferences and Mathematics Olympics

Department of Mathematics, Official Math tutor; University of Puerto Rico, Ponce Campus;

Aug - Oct 2011

Tutored Pre-calculus 1 and 2 and Calculus 1.

Worked closely with faculty member to establish a work plan to make students reach academic achievement.

Developed dynamic tutoring program to accomplish fulfils student's needs.

SKILLS

Oral and written bilingual.

Leadership and interpersonal.

Ability to take decisions involving individual and collective work.

Knowledge in handling computer tools such as ASPEN, Word, Excel, Image J and Mathcad.

Basketball, baseball, volleyball and soccer player.

EXTRACURRICULAR ACTIVITIES

Mentor in Tau Beta Pi – Alpha Chapter

Jan – May 2015

Winner of Outstanding Member of the Chapter

Advisor of new candidates in initiation process and evaluated activities performance

Volunteer Tutor in University of Puerto Rico in Mayaguez and Ponce Campus.

Aug 2010 - present

Pre-calculus, Calculus, General and Organic Chemistry and Engineering Physics.

"Sociedad de Jóvenes Embajadores de Cristo" Rio Jueyes, Coamo, Puerto Rico.

Jan 2010 - present

Vice-president, Sub-treasurer, vocal and part of worship musician.

REFERENCES

Request