

Karianys K. Aybar Martínez

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EDUCATION

University of Puerto Rico, Mayagüez Campus (UPRM)

BS: Pre-Medical

Expected graduation: **May 2023**

Research Project

Biosensors using ZnO nanostructures in films

January 2020-Present

- The goal is to create devices that help to have a better performance including applications in nanobiotechnology such as synthesis of hybrids between nanoparticles.
- Understand and work with organic molecules and thus include processes such as synthesis, purification and characterization of organic compounds with potential for pharmaceutical use such as aromatic heterocyclic compounds.
- Study how a typical research laboratory is conducted including how to keep track of research, label samples good laboratory practice and reaction mounting techniques.

PROFESSIONAL EXPERIENCE

Manatí, Puerto Rico

June 1st, 2018-June 30, 2018

Manatí Medical Center Hospital, Medical Internship

- Attended different medical surgeries as listener/Analyzed different organs and carcinogenic cells
- Discussed medical cases and diseases with doctor/Prepared the utensils to use in the operating room
- Attended different medical situations/Carried the patients from different areas
- Assisted doctor in cardiovascular areas

LEADERSHIP EXPERIENCE

Sinfonica Colegial at the University of Puerto Rico at Mayagüez, Trombone Section

January 2019-Present

- Executed trombone instrument during different official activities
- First woman playing the bass trombone

Centenaria Banda Colegial University of Puerto Rico at Mayagüez, Trombone Section

August 2018-Present

- Executed the trombone instrument during different official activities
- Selected to participate in the Rose Parade 2019 in Pasadena California
- Lead Band Care and Band CAAMP programs to motivate students from around the island to continue playing musical instruments

Programa Experiencia Sinfónica, San Juan Puerto Rico

January 2018 - May 2018

- Attended professional workshops offered by professional musicians
- Performed in conjunction with the Official Symphonic of Puerto Rico

Club de Salud Capitulo del Recinto de Ciencias Médicas, Camuy Puerto Rico

August 2016-May 2018

- Managed the money account of the club being the treasure
- Development of different activities during the semester that include visiting different Schools of Medicine in the island

SKILLS

- Proficient in Windows Operating System
- Technical Writing
- Data Presentation
- English, Spanish
- Strong oral and written communication
- Interpersonal and leadership relations
- Fast learner
- Self-motivation
 - Analytical and Management abilities
 - Enjoy working as a team member
 - Math and Science knowledge