

# Rogelio E. Garcia F.

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## Summary

Energetic and enthusiastic senior engineering student at the University of Arkansas; member of leadership groups centered around community service, science and technology.

## Education

### Candidate for Bachelor of Science in Chemical Engineering

Expected: May 2019

University of Arkansas – Fayetteville, Arkansas

Honor Student

GPA: 3.5

## Projects & Job experience

### Introduction to Chemical Engineering CHEG 2113 Teacher Assistant at U of A

2018 - present

- Assisting led professor in class presentation and drill sessions of introductory material for chemical engineering student.

### Research Assistant; Advisor: Shannon L. Servoss

May 2017 - Present

- Investigating the performance of polysarcosine as an antifouling polymer coating for gas exchange membranes.

### Fluid Mechanics CHEG 2133 Teacher Assistant at U of A

May 2018 - June 2018

- Provided support to lead professor in the learning experience and understating of fluid mechanics concepts.

### Reactor Design CHEG 3333 Teacher Assistant at U of A

February 2018 – May 2018

- Reinforced lessons by reviewing material with students one-on-one or in small groups.

### Fluid Mechanics Tutor at U of A

February 2018 – May 2018

- Offering tutoring hours to students that needs additional teaching.
- Working for the PAPSS & Center for Learning and Student Success tutoring program.

### Thermodynamics of Multi-Component Systems & Heat and Mass Transfer Tutor at U of A

August 2017 – December 2017

- Facilitated students with explanations and procedures to understand the crucial concepts of the course.
- Worked for the PAPSS & Center for Learning and Student Success tutoring program.

### University Chemistry I & II Tutor at U of A

May 2016 – December 2016

- Assisted students in the learning methods for success in the course.
- Working for the PAPSS & Center for Learning and Student Success tutoring program.

### Ethanol production from wastepaper and others organic waste

January 2014

Urraca High school and the Panamanian Bureau of Science and Technology (SENACYT), Santiago, Veraguas, Panama.

- Led a research for finding a useful and profitable way to recycle the waste generated in public schools.
- Executed the chemical processes for obtaining ethanol from organic waste in high school labs.
- Coordinated activities for increasing awareness to Panamanian authorities of the scientific potential of public high school students in Panama.

## Leadership Experience

### Member of the Alpha Chi Sigma, the American Professional Chemistry Fraternity

April 2017 – Present

Alpha Sigma chapter at the University of Arkansas

- Organize activities focused on community outreach by facilitating science experiments at elementary schools.
- Collaborate in the rush/membership committee by arranging activities to attract more students into the fraternity.

### Member of the American Institute of Chemical Engineers

January 2016 – Present

University of Arkansas, Fayetteville, AR

- Attend weekly meetings on and off campus to discuss topics about professional opportunities in the Chemical Engineering field.

### Member of the Society of Hispanic Professional Engineers

January 2016 – Present

University of Arkansas, Fayetteville, AR

- Participate in meetings, conferences, and activities regarding career development and professional network.

### Judge Assistant for First Lego League

January 2016| May 2016| May 2017| January 2018

University of Arkansas, Fayetteville, AR

- Volunteered for the Freshman Engineering Department as an assistant grader of the recycling and robotic projects made by elementary School students in Northwest Arkansas.

### Proctor and Grader for MATHCOUNTS Foundation

January 2016| January 2018

University of Arkansas, Fayetteville, AR

- Collaborated with the MATHCOUNTS Foundation and the Engineering Department in the organization of the math skill competitions for junior school students in Northwest Arkansas.

## Awards

### University of Arkansas Honor College Research Grant

- Awarded funding for the study of “Polysarcosine as an Antifouling Polymer Coating for Gas Exchange Membranes.”

### The Way to Success U of A Executive Education Program - certificate of recognition

May 2016

- Completed the CEO Global TWTS program in partnership with the University of Arkansas and the Walton College of Business.
- Took part in Intensive seminars to learn and enhance leadership skills in the business world

### SENACYT Scholarship of Excellence for Public School Students

December 2014

- Conferred by the Panamanian Bureau of Science and Technology for studies of an undergraduate Chemical Engineering degree at the University of Arkansas.

## Computer Skills

- MATLAB, Excel, Solid Works, CHEMCAD 7, ASPEN simulator, COMSOL, Microsoft Word, Adobe Photoshop, Adobe After Effect, Adobe Premier, PowerPoint, Python.

## Other Activities

- Panamanian traditional dances choreographer
- Soccer player