



Joanna A. Sanchez

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EDUCATION

Waubonsee Community College
Associate in Applied Science

August 2017 - August 2022

East Aurora High School
Graduated with honors

August 2013 - May 2017

PROFESSIONAL APPOINTMENT

Academic Support Paraprofessional Tutor (biology/anatomy)
Waubonsee Community College

Spring 2023

- Providing subject matter expertise and serving as models for students in the techniques, strategies, attitudes, and beliefs of successful learners
- Reviewing class material, discussing problems, reviewing tests, or working on solutions to problems
- Facilitating individual and small group tutoring sessions, and classroom visits

RESEARCH EXPERIENCE

Student Researcher at Waubonsee Community College
Advisor: Professor Sheela Vemu

Fall 2022 - Present

- Leading the study of the immunogenic regions on the spike glycoproteins of the SARS-CoV-2 variants using the web-based bioinformatics platform Immune Epitope Database (IEDB)
- Optimizing the target antigens' position by developing python scripts, utilizing immune epitope prediction and analysis codes, statistical interpretation of data and creating educational materials
- Mentoring students for their honors project which uses IEDB
Jatniel Gomez and Chris Salgado (Students at Waubonsee Community College)

HONORS AND AWARDS

NIIMBL eXperience (selected for summer program)
The National Institute in Manufacturing Biopharmaceuticals

Summer 2023

The John J. Swalec, Jr. President's Achievement Award
Waubonsee Community College

2019

Phenomenal Woman Award
"Scheiketa Hart-Burns" Boy's II MEN

2017

Junior ROTC Award of Merit
The Military Order of the World Wars

2017

CERTIFICATE

Junior Deputy Certificate
Kane County Sheriff's Office

Summer 2016

ACTIVITIES

Academic

Student organization MEChA / President, Vice-president, Secretary **2019 - 2021**
Waubonsee Community College

- Opened a chapter at Waubonsee that advocates for Latino students on campus
- Provided resources and support for students' academic success

Education Awareness Subteam / Student Leader **2017 - 2018**

- Working in ensuring Waubonsee Community College took proactive action to protect DACA/Undocumented students
- Provided interactive ally training for employees at the college, and students

Community Services

The Sideline Project / Co-founder **2019 - 2021**

- Conducted community events on mental health, academic success, and overall well-being
- Collected data on available scholarships and opportunities for students

Student Diversity Committee / Student Leader **2019 - 2020**

Waubonsee Community College

- Curating ideas to improve students experience
- Assisted in organizing student events for Latinx Heritage month

OUTREACH

Good Morning Aurora **2020**

- Served as a special guest to speak about my advocacy work and share my story

Supporting DACA and Undocumented Students Panelist **2018**

Oswego High School

- Served as a panelist for high school educators to provide guidance in supporting DACA/Undocumented students

SKILLS

Programs of Use

Python
C++
HTML
Git
MATLAB
Mathematica
Visual Studio
Microsoft Word
Microsoft Excel
Photoshop
Google Suit

Languages

English - Native / Bilingual
Spanish - Native / Bilingual