# ALESSANDRA SERRANO

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## CAREER OBJECTIVE

Motivated applied mathematics student with exceptional problem-solving skills due to fundamental knowledge of computer science and mathematical principals, while being proactive leader in the college community. Looking to bring her passion for both data-driven solutions and collaboration to the workforce in an entry data science or data analytics position. Driven by a strong work ethic, passion for the storytelling of data, Alessandra is currently cumulating the technical proficiency in data mining, analysis and prediction with the hopes of applying these skills to the real world.

| SKILLS SUMMARY | PROGRAMMING LAGUAGES |
|---|---|
| ◆ Database management using SQL <br> ◆ Design queries to extract useful information from a database <br> ◆ Proficient knowledge of object-oriented programming, algorithms and data structures | ◆ Python, Java, SQL, C++, R <br> ◆ MySQL, MatLab, R Studio |

## PROFESSIONAL EXPERIENCE

### RESEARCH ASSISTANT AT THE NATIONAL INSTITUTE OF HEALTH BRIDGES TO BACCALAUREATE PROGRAM

LAGUARDIA COMMUNITY COLLEGE | 31-10 THOMPSON AVE, LONG ISLAND CITY,11101

DECEMBER 2019-AUGUST 2020

- ◆ Ran statistical analysis and learned data cleaning using python libraries including BeautifulSoup, NumPy and Pandas
- ◆ Drew insights from public data on smoking to visualize trends in smoking in teens, rate of lung cancer and predict an overall decrease in traditional tobacco consumption for the future
- ◆ Participate in weekly workshops focusing on conducting ethical research, professional development and research techniques

### TRANSFER PEER MENTOR

LAGUARDIA COMMUNITY COLLEGE | 31-10 THOMPSON AVE, LONG ISLAND CITY,11101

FEBRUARY 2020-PRESENT

- ◆ Holds one on one advising session & larger workshops regarding transferring and application assistance
- ◆ Manage a cohort of 15 students per semester, providing weekly meetings and mentorship to see them through their transfer process
- ◆ Analyze student attendance data and other metrics for measuring outreach to assess overall impact of the program on helping students transition to a 4-year school

### PEER ADVISOR AT CENTER FOR TEACHING & LEARNING

LAGUARDIA COMMUNITY COLLEGE | 31-10 THOMPSON AVE, LONG ISLAND CITY,11101

DECEMBER 2019-PRESENT

- ◆ Outreach and support to students to connect them with resources during distance learning
- ◆ Collaborate with team members to create videos for remote training and presentations on student trends during the pandemic

## LEADERSHIP ACTIVITIES

### LAGUARDIA TECH SCHOLARS

LAGUARDIA COMMUNITY COLLEGE

SEP 2019 – DEC 2019

- ◆ Learn the importance of collaborating in teams, communication, presentation skills, and leadership skills
- ◆ Completed a team project to create a text parser C++project to automatically check the instances of different keywords representing the in-demand skill sets in job descriptions taken from websites such as indeed and glassdoor

PARENT REPRESENTATIVE ON BOARD OF DIRECTORS

EARLY CHILDHOOD LEARNING CENTER OF LAGUARDIA COMMUNITY COLLEGE

SEP 2019 – PRESENT

- Elected by parents to advocate on behalf of parents' concerns and suggestions for all daycare programs
- Vote on fiscal policies to sustain the organization through the pandemic without compromising the opportunity for the children to participate in distance-learning

EDUCATION

**CUNY JOHN JAY COLLEGE OF CRIMINAL JUSTICE,** NY, NY

BACHELORS OF SCIENCE IN APPLIED MATHEMATICS: DATA SCIENCE CONCENTRATION,

ANTICIPATED COMPLETION: MAY 2022

**CUNY LAGUARDIA COMMUNITY COLLEGE,** LONG ISLAND CITY, NY

ASSOCIATES OF SCIENCE IN COMPUTER SCIENCE, DECEMBER 2020