Edgar Gomez

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EDUCATION

Hunter College, City University of New York   New York, NY
Bachelors of Arts in Computer Science   **Expected Graduation: Fall 2020**
New York City College of Technology, City University of New York (CUNY)   Brooklyn, NY
Associate in Science in Computer Science | GPA: 3.3   **Graduated: May 2019**
Scholarships: NYC Council Merit Scholar
Relevant Coursework: Object-Oriented Programming (C++) Object-Oriented Programming (Java), Database Systems (SQL), Discrete Mathematics & Algorithms, Calculus (I-III), Calculus-based Statistics with Probability, General Physics: Calculus-based (I-II)

SKILLS & INTERESTS

Programming languages: C++, MATLAB, SQL, JavaScript
Technical: Microsoft Suite, Github
Spoken Languages: English, Spanish
Interests: Data Analysis, Software Developing, Web Development, Gaming

PROJECTS

Geolocation Correction of Satellite Precipitation Estimates Using a Radar Gauge-Product   June 2018 – June 2019
- Gathered tornado reports from NOAA's official website from our preliminary study area of Tornado Alley.
- Created algorithms using MATLAB to import, read, analyze, and plot data from ground-based and satellite data.
- Utilized custom plotting libraries and modified them to display hourly estimates on approximately 7 years of precipitation estimates.
- Presented research through poster and oral presentations at many conferences nationally

Research on Optimization of Faculty Office Hours   January 2018 – May 2019
- Administered surveys to five sections of CHEM 1110 to students to determine how they utilize office hours.
- Faculty will utilize the presurvey results to implement strategies to improve their office hours.
- Developed statistical analysis and use results to develop recommendations to faculty to improve student use of office hours.
- Presented research at the Honor's Scholar Poster Presentation at the end of the academic year.

EXPERIENCE

Center for Earth Systems Sciences and Remote Sensing Technologies (NOAA-CREST)   New York, NY
Research Experience for Undergraduate (REU) Scholar   June 2018 – May 2019
- Conducted a summer research on "Study of Location Error in Satellite Precipitation Estimates Using a Radar Gauge Product."
- Supervised CREST HIRES high school interns in a mentor to mentee involvement during the summer of 2018.
- Created algorithms using MATLAB to import, read, analyze, and plot data from ground-based and satellite data.
- Presented research through poster and oral presentations at many conferences nationally.

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Peer Lead Team Learning (PLTL) Program   Brooklyn, NY
Peer Leader (Remedial Math – Calculus II)   January 2018 – May 2019
- Prepare a plan of action one week prior to be implemented in the class workshop.
- Lead weekly math workshops.
- Keep track of student progress using excel spreadsheets.
- Maintain communication between professor and peer leaders.
- Attend biweekly leadership seminars.

American Society of Civil Engineers (ASCE) Student Chapter   Brooklyn, NY
Social Media Manager   January 2019 – May 2019
- Planning events before the semester starting.
- Created flyers to advertise events and post them on billboards around campus.
- Taking photos of all guest speakers and students at all events.
- Posting event invitations and pictures of the event on Facebook and Instagram.
- Report a final spreadsheet of all the events, transactions, members, and summary for the semester.