

GERARDO TORRES

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EDUCATION

New York University

September 2017 - May 2021

Bachelors in Computer Science GPA: 3.54/4.00

Brooklyn Technical High School

September 2013 - June 2017

Physics Major GPA: 91.3/100

WORK EXPERIENCE

Consolidated Edison

June 2016 - Present

Engineering Aide

- Designed and programmed over 30 SCADA (Supervisory, Control, and Data Acquisition) GUIs using AutoCAD and MySQL databases that monitor the electrical distribution system in New York City as part of a storm-hardening initiative following hurricane Sandy.
- Proposed and created an offline version of this SCADA system with playback capabilities using OSIsoft's PI Suite.
- Built a system of Excel files across Sharepoint that tracks on-field staffing during emergency storms; used VBA to program an automated summary sheet for day, shift, and department.

PROJECTS

To-do List

February 2018 - March 2018

- Worked in a team to develop a to-do list web application.
- Used Flask for the back-end, a MySQL database, and jQuery for the front-end.

Thermoelectric Battery

January 2018 - May 2018

- Constructed and programmed an Arduino-controlled rechargeable portable battery that converts a coffee cup's thermal energy into electrical current; generated 9 volts to charge a cellphone.
- Utilized AutoCAD to 3D print a portable case that holds an Arduino and the battery.

International Young Physicists' Tournament

September 2016 - May 2017

- Programmed an Arduino to collect data on water droplet oscillation to investigate their harmonic properties when exposed to temperatures exceeding their boiling points.
- Created and analyzed radius vs. frequency graphs using Excel.

AWARDS

- AP Scholar with Honor *July 2017*
- Ascend Educational Fund scholarship recipient *May 2017*

SKILLS

Programming Languages:	Go, Python, SQL, Javascript, VBA, L ^A T _E X
Technologies:	jQuery, MySQL, Flask, Git, AutoCAD & Inventor, Arduino, MS Excel & Access, OSIsoft PI suite

ACTIVITIES

- Treasurer of Brooklyn Tech physics club *September 2016 - June 2017*
- Event coordinator assistant for the Afro-Latino Festival of NY *July 2016, July 2017*
- Sports volunteer at P.S. 230 *Summer of 2015, 2016, & 2017*