

GERARDO TORRES

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EDUCATION

New York University

September 2017 - May 2021

Bachelor's 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

- Programmed over 30 new SCADA (Supervisory, Control, and Data Acquisition) GUIs that monitor the electrical distribution system in NYC with AutoCAD and SQL queries.
- Created an offline version of this SCADA system with playback capabilities.
- Built a system of Excel files across Sharepoint to track on-field staffing during emergency storms; automated a summary sheet for the data with VBA.

SELECTED PROJECTS

Habit Tracker Heatmap

June 2018 - Present

- Implementing the “don’t break the chain” method of habit-keeping to a web application that displays a heatmap of completed habits in a calendar.
- Using D3js to generate graphics and Go to power the back-end that loads data.

To-do List Web App

February 2018 - March 2018

- Worked in an agile development 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 an Arduino-controlled, thermal-powered portable battery.
- Generated 9 volts from a coffee cup to charge a cellphone.

International Young Physicists’ Tournament

September 2016 - May 2017

- Programmed an Arduino to collect water droplet oscillation frequency to investigate their harmonic properties when exposed to temperatures exceeding their boiling points.
- Found an initial increase and eventual decrease in frequency with respect to temperature.

AWARDS

- NYU Computer Science and Engineering Dean’s List Fall 2017, Spring 2018
- AP Scholar with Honor July 2017
- Ascend Educational Fund (AEF) scholarship recipient May 2017

SKILLS

Programming Languages:	Python, Go, JavaScript, C++, VBA
Technologies:	jQuery, MySQL, Flask, Git, L ^A T _E X, AutoCAD, Arduino, MS Excel & Access

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