

GERARDO TORRES

 /gerardo-d-torres ·  gerardotorres.xyz
 Brooklyn, New York ·  /gerardo-torres ·  gtc250@nyu.edu

EDUCATION

New York University *September 2017 - May 2021*
Bachelor's in Computer Science GPA: 3.48/4.00

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
- Added a crucial estimated completion time feature to multi-step feeder repairs; impacted four regional control centers across the company
- 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 - July 2018*

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

To-do List Web App *February 2018 - March 2018*

- Worked in an agile development student 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
- Discovered 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, VBA
Technologies:	MySQL, Flask, Git, L ^A T _E X, AutoCAD, Arduino, Microsoft Excel & Access

ACTIVITIES

- Cybersecurity Workforce Alliance *May 2018 - July 2018*
- Treasurer of Brooklyn Tech physics club *September 2016 - June 2017*
- Event coordinator assistant for the Afro-Latino Festival of NY *July 2016, July 2017*