Gerardo Torres

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Education

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

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
- Built a system of Excel files across Sharepoint to track on-field staffing during emergency storms; automated a summary sheet for the data with Visual Basic
- Added a crucial estimated completion time feature to multi-stope feeder repairs with Visual Basic; impacted four regional control centers across the company

Selected Projects

Ultra Chat   *March 2018 - August 2018*
- Leveraged websocket technology to assemble a real-time terminal-based chat app
- Used Node.js and Express.js for the backend to handle websocket connections for multiple users; designed a terminal user interface with JavaScript libraries

Command Line Flashcards   *August 2018*
- Systemized data structures to build a terminal-based Python tool and text parser to allow users to create and study flashcards

Habit Tracker Heatmap   *June 2018 - July 2018*
- 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 HTML pages

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

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, JavaScript, C/C++, VBA
Technologies:	Node.js, Express.js, MongoDB, Git, LaTeX, 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*