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Gerardo Torres

Education

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

- Relevant coursework: Data Structures and Algorithms, Object-oriented Programming, Discrete Mathematics, Introduction to Computer Science

Work Experience

Adventurely   *August 2018 - Present*
Lead Software Developer Intern

- Incoming software developer intern for the fall semester working on the mobile app product using the Ionic JavaScript framework
- Implementing a new chat platform and fixing data loading performance issues

Consolidated Edison   *June 2016 - Present*
Engineering Aide

- Programmed 32 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 to track on-field staffing during storms; automated a summary sheet for the data with Visual Basic
- Added a crucial estimated completion time feature to multi-stop feeder repairs with Visual Basic; impacted four regional control centers across the company

Selected Projects

Ultra Chat

- Leveraged websocket technology to assemble a real-time terminal-based chat app
- Used Node.js, Express.js, and MongoDB for the backend to handle websocket connections for multiple users; designed a terminal user interface with the Blessed JavaScript library

Command Line Flashcards

- Systemized data structures to build a terminal-based Python tool and text parser to allow users to create and study flashcards

Thermoelectric Battery

- Constructed an Arduino-controlled, thermal-powered portable battery as part of a custom student-designed semester long design project (SLDP)
- Generated 9 volts from a coffee cup to charge a cellphone

Habit Tracker Heatmap

- 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

Skills

Programming Languages:	Python, JavaScript, C/C++, VBA
Technologies:	Node.js, Express.js, MongoDB, Git, LaTeX, Ionic, Arduino, Microsoft Excel & Access

Awards

- NYU Computer Science and Engineering Dean's List   *Fall 2017, Spring 2018*
- Ascend Educational Fund (AEF) scholarship recipient   *May 2017*