Gerardo Torres

Student & Software Engineer

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Education

New York University Tandon School of Engineering *September 2017 - May 2021*
B.S. in Computer Science GPA: 3.31/4.00

- Relevant coursework: Data Structures & Algorithms, Computer Architecture, Design & Analysis of Algorithms, Object-oriented Programming, Discrete Mathematics, Data Analysis

Work Experience

Twitter *May 2019 - August 2019*
Software Engineering Intern San Francisco, CA

- Incoming software engineering intern in the summer of 2019 working in the Language Tools team

Finhabits *January 2019 - Present*
Software Engineering Intern New York, NY

- Designing and implementing a fingerprint authentication system with asymmetric key encryption throughout the native Android app with Java and Android Studio

Adventurely *August 2018 - Decemeber 2018*
Software Developer Intern Remote

- Redesigned the Ionic JavaScript hybrid mobile app's messaging platform with new, interactive, and user-friendly UIs and widgets using AngularJS, HTML, & CSS
- Improved main menu user experience flow by re-structuring AngularJS views and controllers
- Conducted performance tests on iOS devices using Testflight

Con Edison *June 2016 - November 2018*
Engineering Aide Intern New York, NY

- Programmed 32 new SCADA GUIs that monitor the NYC electrical distribution system using SQL & AutoCAD as part of a $1 billion storm-hardening initiative
- Built a feeder scheduling dashboard feature with VBA used by four regional control centers across the company

Selected Projects

Slatt – *Personal open-source project*

- Built a peer-to-peer TCP data transfer tool in Go for both files and zipped folders between users on separate networks

Ultra Chat – *Personal open-source project*

- Leveraged websocket technology to assemble a real-time terminal-based chat application
- Used NodeJS and MongoDB for the back-end to handle websocket connections for multiple users and channels

Habit Tracker Heatmap – *Personal open-source project*

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

Thermoelectric Battery – *Semester-long rapid assembly design project*

- Built an Arduino-controlled, thermal-powered battery; Generated 9 volts from a coffee cup to charge a cellphone

Skills

Programming:	C++, Java, Go, JavaScript, Python
Web & Databases:	NodeJS, HTML, CSS, AngularJS, SQL, MongoDB
Tools & Technologies:	Git, Vim, Make, LaTeX, Arduino

Awards

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