

# Tristen Terracciano

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## Experience

### JR. FINANCIAL ANALYST | EMBLEM HEALTH | JUNE 2018 - PRESENT

- Created scripts using Python Pandas that allowed easier transitioning of our financial systems from Oracle PeopleSoft to Oracle ERP/Cloud Systems for financial reporting.
- Run monthly admin allocations by creating journal entries and running rules through Oracle PCMCS, Oracle Smartview, Excel and Notepad++ for a \$10B public company.
- Handle and manage vendor communications and process invoices with telecom and printing and postage companies.

### INVENTORY MANAGEMENT | EFFICIENCY ENTERPRISES | SUMMER 2014-MAY 2018

- Seasonally cataloged parts and databased them in three warehouses in the tri-state area.
- Assisted in recording, databasing and subsequently data scraping for prices of the inventory every winter.
- As a result, the company could better understand their inventory and managed the system more efficiently by recording the parts that were purchased and used.

## Education

### BACHELORS OF SCIENCE IN COMPUTER SCIENCE | MAY 2018 | STONY BROOK UNIVERSITY

- Related coursework: Software Engineering, Operating Systems, Computer Security Fundamentals, Computer Networks, Systems Fundamentals I & II, Computational Geometry, Analysis of Algorithms, Computer Game Programming, Digital Systems Design

## Related Projects

### GERRYMANDERING ONLINE | MAY 2018 | CSE 308 (PYTHON, JS, HTML)

- Created a web application that simulated gerrymandering of 3 states and 2 presidential elections worth of data for 20 electoral districts and over 30,000 precincts through 3 different election factor methods.
- Created scripts using Python Pandas that mapped the electoral precinct voting data to the GeoJSON and uploaded it to our database for our frontend team to process and display the data properly.
- This project was demonstrated to a group of political science majors to better understand how Gerrymandering works in a conference at Stony Brook University. <http://gerrymandering.online>

### PROTECTOR | MAY 2017 | CSE 308 (PYTHON, JS, FIREBASE, PHASER, HTML)

- Created an open-ended online game through a 2D JS game-engine called Phaser.
- The game's concept was to guide a randomly moving zombie that followed terrain placed by the player.
- Helped code the pathfinding method for the zombie, as well as set up the HTML/Firebase app for the website. (JS, HTML, CSS): <http://protector-game.firebaseio.com>

## Skills & Abilities

- Proficient in Java, Python, C, Arduino, SQL
- Familiar with C++, JavaScript, CSS, HTML, MIPS, Verilog
- Frameworks: Python Pandas, Bootstrap, JQuery, Git, Criterion Unit Testing, Google Firebase
- Self-started a keyboard business that handles assembly, disassembly, and modification of mechanical keyboards.