

## Devin Fonseca

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### Education:

University of Connecticut, Storrs, CT  
Bachelor of Arts, Statistics – May 2022  
GPA: 3.69/4.00

Relevant Coursework: Computer Information Systems, Database Management Systems, Database Server Administration, Applied Linear Algebra, Analysis of Experiments, Design of Experiments, Mathematical Statistics, Elementary Differential Equations

### Skills:

**Programming Languages:** Python, R, SQL, CSS, and HTML5

**Machine Learning & Deep Learning:** Natural Language Processing, spaCy, Scikit-learn, Pandas, Pytorch, Seaborn, Selenium

**Miscellaneous:** Database Installation, Statistics, Experimental design, Hypothesis testing, A/B testing, Data science pipeline (cleaning, wrangling, modeling, interpretation)

### Projects:

#### Redistricting Algorithm

*Libertarian Party of Connecticut* May 2020

- Implemented and modified an algorithm used to redraw district lines in an unbiased manner to reduce gerrymandering.
- Used US Census data and geodata to redistrict county lines by finding the lowest population paths through each county.

#### Bulk SMS App

*Libertarian Party of Connecticut* April 2020

- Built a program in Python which automated the formatting process for over a thousand phone numbers and implemented a programmable bulk text messaging API.

#### Automated Inventory Input Program

*Latin Accents* July 2019

- Built a program that converted information from a PDF to a CSV file which was then cleaned and organized to output only the information necessary for automation.

### Experience:

**Reesby, Melbourne, Australia**

*Data Science and Machine Learning Intern* August 2021 - November 2021

- Worked on a project that consisted of parsing unstructured files into structured and useful information by using Deep Learning with artificial neural networks.
- Responsible for building a data science pipeline that consisted of cleaning, wrangling, building a deep learning model, and tuning the parameters until desired result

**University of Connecticut Surplus Department, Storrs, CT**

*Computer Programming Specialist* August 2020 - present

- Supervised inventory cycle counting processes, including accounting and surplus records, product transfers, and product sales.
- Accomplished this by building and implementing programs that expedited the inventory process