

Tyler Soiferman

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EDUCATION

Stevens Institute of Technology
Hoboken, NJ
Bachelor of Science in Computer Science
Expected May 2024
GPA: 3.986

SKILLS

Languages:

- Java
- Python
- SQL
- MATLAB
- R
- HTML/CSS

Software:

- Tableau
- Excel
- Microsoft SQL Server

Other:

- Jupyter Notebook
- Git/GitHub
- Visual Studio Code

COURSES

- Data Structures
- Discrete Structures
- Fundamentals of Information Systems
- Linear Algebra
- Computers & Society

AWARDS & HONORS

Edwin A. Stevens Scholarship

Awarded December 2019

Dean's List

Awarded for Fall 2020, Spring 2021, and Fall 2021 semesters

PROFESSIONAL EXPERIENCE

Researcher at Stevens Institute for Artificial Intelligence

Stevens Institute of Technology | Hoboken, NJ | Nov. 2021 - Present

- Applied for and was accepted as a researcher on the SIAI Spring 2022 Research Project
- Working to develop AI-based algorithms to mitigate the consequences of toxic sewage overflows and pollution within waterways

Data Analyst

Dot Loves Data | Wellington, New Zealand (virtually) | May-July 2021

- Conducted research using NLP and sentiment analyses to investigate how these functionalities may be used on historical documents
- Cleaned text corpora and utilized R to perform sentiment analyses on corpora in order to draw insights and analyze trends from historical text

PROJECTS

Sign of the Times: Sentiment Analysis on Historical Text and the Implications of Language Evolution

Completed July 2021

- Applied sentiment analyses and NLP techniques to historical corpora spanning 1600-2009 to investigate if results depict language evolution overtime
- Visualized results using the ggplot2 package in R
- Currently working to publish the paper in an international journal

Stevens Institute for Artificial Intelligence Spring 2022 Project in Partnership with Eastech Controls

January 2022-Present

- Developing advanced AI solutions for predicting flows and risks of failure in a specific pipeline as a part of a five-person team
- Performing applied research on other questions that are of interest to Eastech

LEADERSHIP & VOLUNTEER EXPERIENCE

Dean's Student Advisory Board

Stevens Institute of Technology | Sept. 2020-May 2021

- Communicated with Stevens School of Business students in the Class of 2024 and highlighted concerns to the Dean of the school
- Implemented clubs, activities, fundraisers, and other events to improve the school with the Dean and the other representatives

Volunteer at the River Edge Public Library

River Edge, NJ | Jul. 2016-Present

- Ran the Summer Reading Program Desk for several hours a week over several weeks for three Summers
- Created, implemented, and ran the program for children entitled Puzzle Day
- Complete various tasks around the library