

JORDAN SANZ

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EDUCATION

Dartmouth College, Hanover, NH **Jun. 2022**
GPA 3.67/4.0
Bachelor of Arts in Computer Science and Quantitative Social Science

Key Coursework: *Data Visualization, Software Design/Implementation, Full-Stack Web Development*

Awards: *Academic Excellence Citation in COSC 10: Object-Oriented Programming, Junior Research Scholar*

Trinity School of Midland, Midland, TX **May 2018**

Honors/awards: *National Merit Scholar, Valedictorian*

Activities: *Theatre Group President/Marketing Spokesperson, Speech and Debate Captain, Head of Honor Council*

TECHNICAL COMPETENCIES

Languages/Technologies: R, Java, Python, JavaScript, HTML, CSS, BASH, C, SQL, Microsoft Office

Skills: Data Visualization, Object-Oriented Programming, Data Analytics, Web Development, Software Implementation

RELEVANT WORK/PROJECTS

Dartmouth College, Department of Computer Science Hanover, NH **Jun. 2020 – Present**
Research Assistant

- Conduct cross correlation and principal component analysis on dataset of 54 hospitals using Python and pandas package
- Clean and reformatted data frames, checking normalization values and cross-checking entered values with a master set
- Visualize hospitals ranked by 8 variables and the correlation between individual hospital rankings using matplotlib

Dartmouth College, Department of English, Hanover, NH **Jun. 2020 - Present**
Research Assistant

- Analyze data with R, designing line and bar plots to easily identify correlations about Supreme Court Justice Alito's rulings
- Structured and now maintain an Excel database to hold almost 100 judicial cases with over 35 attributes

Dartmouth College, Department of Computer Science, Hanover, NH **Jun. 2020 – Present**
Teaching Assistant for Intro to Computer Science

- Led weekly hour-long sessions for 10 students teaching various Python concepts and held 3 weekly office hours
- Explained concepts of algorithms, recursion, and basic programming while encouraging independent problem-solving

Dartmouth College, Department of Quantitative Social Science, Hanover, NH **May 2020**
Visualizing COVID-19

- Using R and ggplot2, animated and designed a map of confirmed COVID-19 cases in the U.S. by county over five months
- Studied the characteristics of people using racist terminology to describe COVID-19 by synthesizing thousands of responses with their demographics and illustrating the results in a mapped visualization and ordered bar chart

LEADERSHIP

Sigma Nu Fraternity, Hanover, NH **Sep. 2019 – Present**
Rush Chair (Feb. 2020 – Present); Chaplain (Mar. 2020 – Present)

- Envision and implement creative recruitment events during the COVID-19 outbreak by utilizing video technology
- Compile, arrange, and analyze data on over 100 potential new members to identify best recruitment strategies

Dartmouth Dodecaphonics A Cappella, Hanover, NH **Sep. 2018 – Present**
Business Manager (December 2019 – Present); Tour Manager (December 2019)

- Manage the finances of the organization, emailing and calling multiple venues and negotiating on final performance prices
- Coordinate logistics about events and domestic travel, including a tour to California that raised five-times the typical profit

OTHER EXPERIENCE

Dartmouth College, Student Assembly, Hanover, NH **May 2020 – Present**
House Senator

Dartmouth College, Writing Center, Hanover, NH **Sep. 2019 – Present**
Head of Education and Outreach (Summer 2020); Writing Tutor

Dartmouth College Office of Residential Life, Hanover, NH **Sep. 2019 – Present**
Undergraduate Advisor for 30 first-year residents

Dartmouth College, Academic Skills Center, Hanover, NH **Mar. 2020 – Jun. 2020**
Computer Science Peer Tutor