

Steven Broussard

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EDUCATION

University of Notre Dame College of Engineering

Bachelor of Science, Computer Science | Minor: Engineering Corporate Practice
GPA: 3.888 | Dean's List: Spring 2020, Fall 2020, Spring 2021

Notre Dame, IN

May 2023

Freedom High School

ACT: 35/36 | GPA: 4.51 | Class Rank: 14/455

South Riding, VA

June 2019

EXPERIENCE

Notre Dame Center for Research Computing (CRC)

Student Research Intern

Notre Dame, IN

September 2020-Present

- Downloaded and cleaned 600,000+ news articles using a Python API for the Lexis-Nexis database
- Currently working to improve text classification for articles using knowledge graphs in Python
- Assistant for project using natural language processing, data science, and machine learning to identify triggers of mass killings

University of Notre Dame CSE Department

Data Structures Undergraduate Teaching Assistant

Notre Dame, IN

August 2021-Present

- Grade weekly assignments for 70+ sophomore CSE students
- Assist the instructor in lecture by helping students with code and creating a review guide for students
- Moderate labs and hold office hours to help with assignments and clarify concepts from lecture

NSF Computational Social Science REU

Research Fellow

Notre Dame, IN

June-July 2021

- Raised text classification accuracy by 10%+ by tuning hyperparameters for SVM, BERT, and Longformer
- Reduced potential positive articles by 98% by identifying overlap between machine learning tools
- Presented findings to other researchers at Notre Dame's Summer Research Symposium

Notre Dame CS for Good Club

Team Member

Notre Dame, IN

September 2020-May 2021

- CS for Good empowers computer science students to use their knowledge to help the local community
- Designed website for Take Ten, a bullying prevention program in South Bend, using HTML and CSS

AT&T

Extern

Dallas, TX (Virtual)

June-July 2020

- Completed a 4-week, 80-hour AT&T Summer Learning Academy externship program
- Spoke with executives with business expertise and explored machine learning, cybersecurity, and AI

PROJECTS

Data Structures ShotTracker Preternship Project

April-May 2021

- Developed and tested program that takes in sensor locations and uses GDOP to give an accuracy score
- Conducted professional interview and presentation, and delivered weekly code reviews and professional memorandums detailing project progress

MLB Data Visualization

March-May 2020

- Utilized Pandas library in Python to convert CSV file into a DataFrame and clean/analyze the data
- Implemented Plotly Express and Interact libraries to allow the user to manipulate and visualize data

SKILLS/AWARDS

Programming Languages: C | C++ | Python | HTML/CSS | MATLAB | JavaScript

Other Technology: Machine Learning | Linux Command Line | Git/GitHub | Microsoft Office | SOLIDWORKS

Awards: Eagle Scout