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Gideon French

Data Scientist / Developer

GitHub: GideonFrench
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Researcher, data scientist and software developer studying statistics and computer science at the University of Virginia. Blending technology and the humanities to explore stories digitally. Passion for technology, math, humanities, and the creative arts.

EDUCATION

Bachelor of Arts in Applied Statistics, University of Virginia Aug 2019 — May 2023
Bachelor of Arts in Computer Science, University of Virginia Aug 2019 — May 2023

EXPERIENCE

Project Director May 2021 — May 2023
The Jefferson Trust, Letters of a Civil War Chaplain Transcription Project Charlottesville, Virginia

- Authored and secured grant funding of ten thousand dollars to scan and transcribe Civil War letters.
- Organized and categorized letters using database software.
- Hired and managed a team of six undergraduate students as the project director.
- Published transcriptions as website in collaboration with the Institute for Advanced Technology in the Humanities and the Nau Center for Civil War History.
- Authored and secured grant funding of five thousand dollars to statistically analyze produced transcriptions.
- Analyzing frequency of subjects and occurrence of words using statistical methods and Python natural language processing.

Testing Manager (CS 3240) Aug 2021 — Dec 2021
Advanced Software Development Techniques class, Assignments and Note Organizer Web App Charlottesville, Virginia

- Managed the testing component of the project as Testing Manager.
- Implemented a web app for schedules and note organizations in Python.
- Designed and received feedback from community on initial design.
- Worked with a team using the scrum development method.
- Coordinated with team using Git and continuous integration with Github Actions CI.
- Utilized Django Python web framework, HTML, and Heroku to host as a web application.

Undergraduate Research Assistant Aug 2019 — May 2021
University of Virginia's Scholar's Lab, The Anne Spencer Project Charlottesville, Virginia

- Researched documents in the Papers of Anne Spencer and the Spencer Family.
- Represented research in a digital format using online tools TimelineJS and ArcGIS StoryMaps.
- Using the digital software Neatline and OmekaS to link the life of Spencer to the life of novelist Zora Neale Hurston.

COVID-19 Regression Analysis (STAT 3220) Jan 2021 - Jan 2021
Introduction to Regression Analysis class Charlottesville, Virginia

- Created a statistical analysis of COVID-19 data using SAS language.
- Filtered publicly-available data using Excel formulas.
- Analyzed relationship to COVID-19 cases by state using various predictors such as age and income.
- Fit the relationship with regression to a prediction model.
- Interpreted findings in a poster and a video with graphs generated using SAS algorithms.

COURSES

Data Analysis with Python, Introduction to Statistical Analysis, Algorithms, Applied Linear Algebra, Introduction to Cybersecurity, Advanced Software Development Techniques, Discrete Mathematics, Software Development Methods, Computer Architecture, Program and Data Representation, Introduction to Mathematical Statistics, Introduction to Regression Analysis, Calculus I and II

SKILLS

Tools and Languages C, C++, Python, Java, Git, Latex, Github Actions CI, Heroku, Django, HTML, x86, R, Matlab
Windows, Linux, Microsoft Office, Adobe Photoshop, CAD, Blender

Communication English, Intermediate Spanish

ACTIVITIES AND ACHIEVEMENTS

Member of Washington Literary Society and Debating Union Fall 2021
Coding Blocks Game Jam 2021: "Dead Broke", 2nd Place Jan 2021
Valedictorian, Orlando Science Middle/High Charter Spring 2019
National Hispanic Merit Scholar Spring 2019
National AP Scholar Spring 2019