rhfrench@syr.edu | (267) 818-0944 | 4 Snowberry Ln · Malvern · PA · 19355 | LinkedIn: rhfrench | GitHub: ryanhfrench | Portfolio: ryanhfrench.github.io

Ryan H. French
Data Scientist

EDUCATION

**Syracuse University,
School of Information Studies**

MS in Applied Data Science
Expected May 2020
GPA: 3.6

**BS in Information Management
& Technology**
May 2019
- Concentrations in Data Analytics and Information Security Management
- Dean's List GPA: 3.8
- Renée Crown University Honors Student
- Adam Levitt '03 iSchool Undergraduate Award for Excellence in Innovation

Technical Skills
- Python (Scikit-Learn, Pandas, PySpark, Jupyter)
- PostgreSQL & NoSQL databases (Cassandra, MongoDB)
- R (R Markdown, Shiny)
- Visualization (Tableau, Adobe Illustrator, Photoshop)
- Big Data (Spark, AWS EMR)
- MPP databases (AWS Redshift)
- Cloud Infrastructure (AWS Ecosystem)

Management Skills
- JIRA (Agile Methodology)
- Git (GitHub, BitBucket)

Certifications
- Google Analytics Individual Qualification
- Microsoft Excel

EXPERIENCE

Digital Marketing Assistant at Streamlight Inc.
December 2019 - Present
- Extracting insights from social media and website data via **Google Analytics.**
- Coordinating with channel specialists and maintaining the **Salsify** media management system for Streamlight's many distributors.
- Maintaining the **Sitefinity** website database and product pages.

Researcher on the Illuminating Project at Syracuse University
January 2019 to May 2019, September 2019 - Present
- Refining lexicon-based topic modeling methods in order to categorize 2020 presidential candidate's social media posts.
- Facilitating research adjudication among Undergraduate project members.

IT Core Infrastructure Systems Engineer at Syracuse University
September 2019 to Present
- Researching and experimenting with **Docker** and **Kubernetes** infrastructure solutions to support research at Syracuse University.
- Interfacing with Core Infrastructure Systems staff for implementation.

Security Engineering Intern at Vanguard
May 2019 to August 2019
- Constructed architecture for the Enterprise Fraud & Security **Data Lake** utilizing **AWS EMR, S3,** and **Glue.**
- Developed an **ETL pipeline** for security logs via **AWS SageMaker**.
- Identified security gaps and overlaps by mapping internal security controls and capabilities to products to create an **Access Database**.

PROJECTS
All project code & resources available at ryanhfrench.github.io

Spotify Daily Top 200 Songs Analysis
- Created a **Python** script to extract Spotify web data in CSV format.
- Performed data transformation and placed data in a **MySQL** database.
- Loaded data into an interactive **Tableau** dashboard to infer insights.

Visualizing, Predicting, & Understanding Crime in Syracuse
- Scripted an **R** program to munge Syracuse City Crime data.
- Created visualizations to infer trends in crime.
- Built **SVM** and **Random Forest** to predict arrests via crime data.

Digitizing the Gaming Industry (Information Visualization)
- Visualized **Kaggle** Video Game Sales to generate insights utilizing **R.**
- Compiled visualizations into a stylized poster for presentation using **Adobe Illustrator.**