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Ryan French

EDUCATION

**Syracuse University,
School of Information Studies**

MS in Applied Data Science
Expected May 2020
GPA: 3.6
Relevant Coursework:
- Big Data Analytics
- Adv. Database Management
- Data Warehousing
- Data Analysis & Decision Making

BS in Information Management & Technology
- Dean's List GPA: 3.8
- Concentrations in Data Analytics and Information Security Management
- Renée Crown University Honors Student

Certifications
- AWS Certified Cloud Practitioner
- Google Analytics
- Microsoft Excel

Programming & Tools
- Python (Scikit-Learn, Pandas, Jupyter)
- R
- SQL & NoSQL Databases
- Docker, Kubernetes
- Visualization (Tableau, Power BI)
- Git (GitHub, BitBucket)

Hadoop Infrastructure
- Spark (PySpark)
- Pig, Hive
- HBase
- Flume, Sqoop

EXPERIENCE

Digital Marketing Analyst at Streamlight Inc.
December 2019 to Present
- Maintaining the **Salsify** data management platform for Streamlight's many distributors around the world.
- Extracting insights from social media and website data via **Google Analytics** and social media for executive reporting.
- Organizing and optimizing **SEO** keywords and campaigns for products.
- Developing for Streamlight's website on the **Sitefinity** platform.

IT Core Infrastructure Systems Engineer at Syracuse University
September 2019 to December 2019
- Researched and experimented with **Docker** and **Kubernetes** infrastructure solutions to support research at Syracuse University.
- Interfaced with Core Infrastructure Systems staff for implementation.

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

Security Engineer 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 public Syracuse City crime data.
- Built **SVM** and **Random Forest** models to predict whether an arrest would occur based on available 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.**