



# Steven Szachara

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## SUMMARY

Current M.S. Data Science student with over 6 years of corporate data analytics and sales experience, inspired by the belief that “Data is the new oil”, I bring a unique combination of technical expertise and business acumen, proficient in machine learning/deep learning, and successfully applying data-driven strategies to drive multimillion-dollar sales.

## EDUCATION

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**M.S. Data Science | Rochester Institute of Technology** Aug 2024 - Present  
GPA 4.0 | Honors: PREP Scholarship, Full Merit Scholarship  
Courses: Foundations of Data Science & Analytics, Software Construction, Database Design Implementation, Neural Networks,, Software Engineering for Data Science, Applied Statistics

**B.S. Systems and Information Science | Syracuse University** Aug 2014 - May 2018  
GPA 3.4 | Honors: Cum Laude, Phanstiel Scholar

## SKILLS SUMMARY

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Languages: Python, Java, MySQL, NoSQL, R, PHP, MongoDB  
Tools: Jupyter, VSCode, Tableau, R Studio, TensorFlow, Pyspark, Scikit-Learn  
Concepts: Neural Networks, Machine Learning Modeling, Data Visualization and Presentation

## CERTIFICATIONS

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**Deep Learning with TensorFlow (IBM Developer Skills Network)** [View Certification Here](#)

## PROJECTS

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### Hospital Readmission Prediction - Machine Learning Project [View Project Here](#)

- Analyzed healthcare data from 130 US hospitals, with over 50 features, to predict early patient readmissions in a highly imbalanced dataset, with over 100,000 entries
- Implemented Scikit-learn Logistic Regression, Random Forest, SVM, GridSearchCV, AdaBoost, and XGBoost, for binary classification, achieving: **90% accuracy** for Class 0 (not readmitted) **AUC total score** of 63%, reflecting robust performance under imbalanced data condition.

### Machine Learning Paper on Detecting Foreign Assets [View Paper Here](#)

- Proposal for Foreign Asset detection for government agencies using Machine Learning concepts

### CSV to QIF Converter - Personal Project [View Project Here](#)

- Created a CSV to QIF converter for small businesses in need of a free converter to use for logging transactions into Quicken from various banks, payment services, from the downloaded Excel files/any files

## WORK EXPERIENCE

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**Creative Artists Agency** Los Angeles, CA | June 2017 - August 2023

### Digital Media Analytics Executive

- Designed and implemented data pipelines and dashboards to generate real-time insights and visualizations
- Established and managed long-term client relationships with senior executives at Fortune 500 companies, resulting in 2.7M total business from my individual projects, and separately 5M in collaborative projects

### Cyber Security Department Intern

- Built active “HoneyPot” on internal company server using Splunk tool, presenting directly to CISO, and delivered 30 part interactive cyber security education tool company-wide during Cyber Security Month

### Synoptek

Rochester, NY | May 2016 - July 2016

### Software Engineering Intern

- Collaborated with the CIO to update and expand core software features, including designing new modules and refining existing functionality, ensuring alignment with organizational goals and user needs.

