

# Matthew Jude Fritscher

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## EDUCATION

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### Louisiana State University (LSU), Baton Rouge, LA

May 2023

Master of Science in Analytics

**Coursework:** Python & Machine Learning, Database Management with SQL, Data Mining/Analytical Tools, Advanced Statistical Analysis for Research, Analytics Methods, Survey of Operations Research: Stochastic Methods, Descriptive Analytics, Practicum Project

Bachelor of Science, International Trade & Finance, *Summa Cum Laude*  
Minor, Spanish

Dec 2021

**Relevant Coursework:** International Trade, International Finance, Game Theory and Applications, Introduction to Econometrics, Aggregate Economic Analysis, Intermediate Microeconomic Theory, Introduction to Programming in Business - Python, Management Across Cultures, Business Statistics & Analytics I-II, Money Banking & Macroeconomic Activity, Business Calculus & Economic Applications, Introduction to International Politics, Principles of Finance

### Universidad de Granada: Centro de Lenguas Modernas, Granada, Spain

June-July 2019

Study Abroad program – “LSU in Spain”

**Relevant coursework:** Advanced Readings on Spanish Civilizations, Latin American Literature, Spanish Literary Analysis, Spanish Oral Communication, Spanish Language & Culture, Spanish Grammar and Composition

## PROFESSIONAL EXPERIENCE

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### Graduate Assistant

July 2022 - present

*Louisiana State University – Center for Analytics & Research for Transportation Safety (CARTS)*

- Developed a desktop application as a part of a Data Integration project, where data from the Louisiana State Police Crime Lab was integrated with the CARTS databases
- Re-factored a Tableau application such that the crash data follows the updated format (MMUC5 convention)
- Documented Python scripts that are used as part of the web applications on the CARTS website

### Beer Guide

May 2021 – July 2022

*Abita Brewing Company*

- Coordinated tours of the brewery while maintaining safety of the guests
- Conducted sales of beverages and merchandise using the Artyved POS system
- Periodically cleaned beer lines and taps

## SKILLS & OTHER DISTINCTIONS

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**Languages:** Spanish Professional Proficiency (C1)

**Programming Languages:** Python, R, SQL (MySQL, T-SQL)

**Data Visualization:** Tableau, seaborn, matplotlib, ggplot2

**Machine Learning:** TensorFlow, XGBoost, scikit-learn

**Data Manipulation:** scrapy, pandas, numpy

**Other Tools/Frameworks:** RapidMiner, JMP, STATA, Excel Solver/Analysis Toolpak, scipy

**Certifications:** Python for Finance: Investment Fundamentals & Data Analytics – 365 Careers; Bloomberg Market Concepts Certification, America’s Alcohol Certified Education Association (5/12/21 – 5/12/24)

**Honors:** Summa Cum Laude, President’s List: Fall 2018, Spring 2019, Fall 2020; Dean’s Honor Roll: Fall 2019, Spring 2020, Spring 202, Fall 2021; Academic Scholar’s Award, Tiger Excellence Resident Award, Taylor Opportunity Program for Students