

# TRISTEN WENTLING

## Data Scientist: Applied Machine Learning

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## EXPERIENCE

### Data Scientist

#### The Depository Trust & Clearing Corporation

Apr 2018 – present    Tampa, FL

- Machine learning specialist and data science professional in Application Development. Currently architecting and building enterprise production ML deployment pipeline, integrating a robust and well equipped enterprise data science platform, and prototyping and developing machine learning solutions including innovative projects using clustering methods and natural language processing to derive insights and provide business value with dashboard integration.

### Data Scientist

#### Nielsen Media Research

Feb. 2017 – Apr 2018    Oldsmar, FL

- Engineering, integration, and validation of big data sources using Apache Spark, Python, Scala, and Spotfire to develop custom local television reporting tools. Building custom machine learning (regression and classification) models for client solutions and internal engineering. Modernization of customer reporting tools converting bash/SAS tools into Apache Spark and Python based tools. Development of custom reporting tools to investigate and solve problems.

### Graduate Teaching Assistant

#### Kansas State University

Jun 2016 – Jan 2017    Manhattan, KS

- Recitation instructor for calculus 1 and tutoring for College Algebra, Calculus 1, 2, and 3, Business Calculus, and Linear Algebra.

### Graduate Teaching Assistant

#### Missouri State University

Aug 2014 – May 2016    Springfield, MO

- Lecture instructor (5 sections) & recitation instructor (2 sections) intermediate college algebra. Lead test development for 2 semesters.

### Freelance Python Developer

#### Upwork

May 2014 – Aug 2014    Springfield, MO

- Back end Python developer with Ersatz Labs, an online deep learning platform, building data pipeline tooling.

## PUBLICATIONS

- A Binary Method for Video Classification*. White Paper. Nielsen Media Research, 2018.
- "A Cycle Generating Function on Finite Local Rings"*. Masters. Missouri State University, 2016.
- "Dealing with LARGE Numbers"*. Undergraduate. Missouri State University, 2014.

## TECHNOLOGIES

Python  
SQL  
Spark  
Bash



AWS

Linux

Git

Scala

C++

## EDUCATION

### M.S. Mathematics

#### Missouri State University

May 2016    3.92 GPA

### B.S. Applied Mathematics

#### Missouri State University

May 2014    3.75 GPA

## RELEVANT COURSEWORK

Data Structures & Algorithms

Convex Optimization

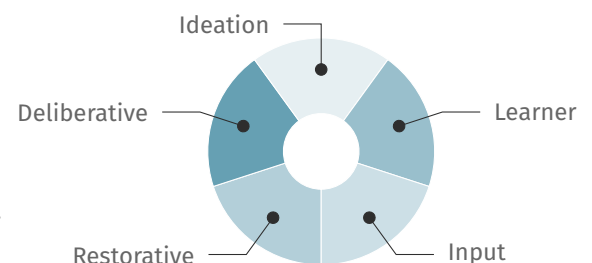
Numerical Analysis

Applied Abstract Algebra

Statistical Theory & Methods

## GALLUP STRENGTHS

www.gallupstrengthscenter.com/home/en-us/cliftonstrengths-themes-domains



## LIFE PHILOSOPHY

*"Knowing is not enough; we must apply. Willing is not enough; we must do." –Goethe*