TRISTEN WENTLING

Applied Machine Learning Data Scientist

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EXPERIENCE

Data Scientist
The Depository Trust & Clearing Corporation

📅 Apr 2018 – present   📍 Tampa, FL

Application Development Machine learning Specialist
- Designed and prototyped an ML deployment method allowing solutions to be deployed at scale and regulationally compliant in production.
- Integrated an enterprise data science platform capable of supporting thousands of users on Jupyter, H2o Flow, and R Studio.
- Prototyped and developed ML solutions using clustering methods, outlier detection, natural language processing, and classification methods for 3 different clients.
- Developed core ETL processes for a new revenue-generating data product and used it to deliver validation data for third party analysis and evaluation.

Data Scientist
Nielsen Media Research

📅 Feb. 2017 – Apr 2018   📍 Oldsmar, FL

Local Television Custom Analytics and Client Inquiries
- Engineered, integrated, and validated big data sources scaling local television reporting tools from hundreds to millions of data points.
- Built custom machine learning regression models for client solutions as a part of multimillion dollar client support contracts.
- Built video classification model for internal engineering leading to production implentation solution as well as a patent application.
- Modernized a critical customer reporting tool (bash/SAS -> Spark/Python) used to generate reports for hundreds of client stations annually.
- Developed new custom reporting tool for client reports on genre categorization alleviating concerns on the part of clients.

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 influencing over 100 students.

Graduate Teaching Assistant
Missouri State University

📅 Aug 2014 – May 2016   📍 Springfield, MO

- Lecture instructor (5 sections) & recitation instructor (2 sections) college algebra guiding over 200 students to success. Lead algebra test development for 2 semesters used for over 1000 algebra students.
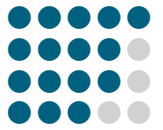
Freelance Python Developer
Upwork

📅 May 2014 – Aug 2014   📍 Springfield, MO

- Built data pipeline tooling and trained in deep learning methodology with Ersatz Labs during a critical additional funding round and public release.

TECHNOLOGIES

Python	●●●●●
SQL	●●●●○
Spark	●●●○○
Bash	●●●○○

AWS · Linux · Git · Scala · C++ · Agile · Jenkins · Markdown · R

EDUCATION

M.S. Mathematics
Missouri State University

📅 May 2016   📍 3.92 GPA

B.S. Applied Mathematics
Missouri State University

📅 May 2014   📍 3.75 GPA

RELEVENT COURSEWORK

Data Structures & Algorithms
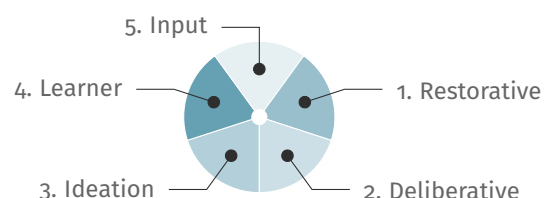
Convex Optimization

Numerical Analysis

Applied Abstract Algebra

Statistical Theory & Methods

GALLUP STRENGTHS

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

- 5. Input
- 4. Learner
- 3. Ideation
- 2. Deliberative
- 1. Restorative

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.