

NOAH LEDBETTER

Austin, Texas | [linkedin.com/in/noahledbetter](https://www.linkedin.com/in/noahledbetter) | noah@ndled.us | 512-986-0003 | github.com/ndled
Python programmer and ETL specialist that excels at building long term trust on diverse teams.
Looking for a place that fosters growth where I can learn and apply technical skills in industry

Python R SQL Git Analytics Data Visualization Statistical Modeling Machine Learning
Airflow Snowflake

DATA ENGINEER

AMD | 2023 - Present

- Created and managed custom pipelines using python and sql from various sources to data warehouse in Snowflake orchestrated with Airflow
- Built systems to improve overall reliability and code quality of the analytics team by 1) creating the teams first programming style guide, 2) implementing best practices in CI/CD for previously manual processes, and 3) leading the team through its first testing framework
- Developed and supported new pricebook software for the embedded and adaptive team
- Maintained package for data science team to interact with the data warehouse and extended the package to interact with Salesforce, PowerBI, and mail client APIs
- Managed migration of on prem SQL Server to snowflake

DATA ENGINEER

Alegion | 2021 - 2023

- Built custom applications in Python for the customer success team to build automation and interact with our API, SQL database, and AWS s3
- Preprocessed and postprocessed data, worked with both relational and flat data structures including json, sql, csv, txt, as well as image and video data
- Created a triage system for data processing tickets
- Data analysis and reporting

DEPARTMENT HEAD

Manor New Technology High School | 2016 - 2021

- Managed 5 teachers through observation, feedback, and instructional coaching. Point of contact between the head of the school and my department on matters of policy, curriculum, etc.
- Taught dual-credit Pre-calculus & Advanced Placement Computer Science Principles
- Independently launched the advanced placement computer science track at my school & hired an industry professional to teach cyber security
- Hired 3 assistant principals & 15 math & science teachers at various levels on the hiring committee. Drove revisions to the hiring framework to raise candidate quality
- Wrote a Chrome widget in JavaScript for my team to automate the manual and time consuming process of logging parent contacts Developed the campus Advanced Academic program based on the districts general guidelines

EDUCATION

M.S. IN MATHEMATICS: STATISTICS Texas State University | 2018 - 2021

B.S. IN MATHEMATICS The University of Texas at Austin | 2013 - 2015

PROJECTS & PRESENTATIONS

INSPIRE - FIND YOUR INSPIRATION

<https://github.com/ndled/inspire.ndled.us>

Python: flask, cv2, celery, numpy,
Digital Ocean *Cloud*, Docker, Redis

COMPUTER VISION APPLIED TO "SPORTS" CASTING 2021

<https://github.com/ndled/OWLgameplay>

Python: tensorflow, cv2, numpy, pandas
Large data set, convolution neural network

AUSTIN BIKE USAGE 2021

<https://github.com/ndled/AustinBikes>

R: tidyverse, ggplot, e1071, lubridate, randomforest, gbm
Complex data cleaning

ELECTION MODELING 2019

<https://github.com/ndled/BI>

R: ggplot, dplyr, tidyverse
Bayesian Inference

PRESENTATIONS

"Mastery of Project Based Learning for Secondary Teachers" Co-Presenter: Jazmine Castanon.
Presented at MPACT, August 2019, Manor, TX.

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"PBL Failures: When and How to Pull the Plug" Co-Presenters: Sierra Pedroza, Jasmine Castanon.
Presented at the Belton New Tech PBL Symposium, February 2017, Belton, TX.

"#teachingsurvivors" Co-Presenters: Jasmine Castanon, Rikki Foster. Presented at UTeach Alumni
Conference, July, 2016, Austin, TX.

"Cluster analysis as a tool for qualitative research: The case of scale construction". Co-Presenter: Dr.
Cesar Delgado. Presented at the Annual Conference of the American Educational Research Association
(AERA), April 2014, Philadelphia, PA