

NOAH LEDBETTER

Austin, Texas | [linkedin.com/in/noahledbetter](https://www.linkedin.com/in/noahledbetter) | noah@ndled.us | 512-986-0003

Python developer 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 Analytics Data Visualization Statistical Modeling Machine Learning
Public speaking & presentation

DATA ENGINEER

Alegion | 2021 - Current

- 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 | 2018 - 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 three 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

TEACHER

Manor New Technology High School | 2016 - 2018

- Brought the first dual-credit math course to the school with collaboration from UT, bridging curriculum gaps to bring students the ability to earn college credit.
- Taught Geometry, Algebra, & Career Readiness at all levels

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

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