

AMY CURNEEN

DATA SCIENTIST AND VISUALIZER

PASSION PROJECTS

DEATH ROW INMATES' LAST WORDS

- Investigated relationships within Texas Inmates' Last Words using topic modeling
- Created interactive visualizations to examine interesting findings
- Delivered an editorial piece to explore this interesting data set
- Tools: BeautifulSoup, NLTK, scikit-learn, LDA, D3.js

PUMP IT UP! EXPLORING TANZANIA'S WATER CRISIS

- Evaluated various classifiers to determine whether a water pump is functional
- Performed feature engineering to examine controllable vs. uncontrollable factors
- Classification model advises government on successful pump investments
- Tools: RandomForest, Support Vector Classifier, D3.js, Dimple.js

THE UNITED STATES OF UNEQUAL EDUCATION

- Developed a regression model to predict a State's public schools performance
- Automated web-scraping to build dataset from various online sources
- Tools: BeautifulSoup, Linear Regression, ElasticNetCV

ASSOCIATE DATA SCIENTIST 2018

Metis - Seattle, WA

- Completed an ACCET accredited intensive data science program
- Produced five projects pertaining to supervised and unsupervised learning, NLP, data analysis and visualization

DESIGN ENGINEER 2015 - 2018

Sperry Product Innovation - Bedford, MA

- Created a classification model to reduce design iterations by 50% through product failure analysis
- Constructed a Macro to reduce build procedure development time by automating the custom icons
- Spearheaded documentation transfer to client
- Illustrated and produced more than 20 patterns for Bubble Wrap® IB Expressions

PRODUCT DEVELOPMENT CO-OP 2013 - 2014

Keurig Green Mountain - Burlington, MA

- Designed, developed and implemented Instron test methods and fixtures
- Created fixtures, test plans and related specifications for both prototype and qualification

MASTERS OF MECHANICAL ENGINEERING 2011-2015

Northeastern University (Boston, MA)

- Concentration in Mechanics, Minor in Mathematics

PROFILE

DATA SCIENTIST BY TRADE
ENGINEER BY TRAINING
DESIGNER BY PASSION

SKILLS

LANGUAGES

Python, SQL,
Command Line

WEB DEVELOPMENT

HTML, CSS, Javascript,
D3.js, Tableau

MACHINE LEARNING

Unsupervised Learning,
Clustering, Regression,
Natural Language
Processing

DESIGN

Adobe Illustrator,
SolidWorks, AutoCAD

EMAIL

amycurneen@gmail.com

PHONE

774 249 0008

LOCATION

Seattle, WA

 /curneen

 /amycurneen

Portfolio:

WWW.CURNEEN.IO