

TIMOTHY EAKIN

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[GitHub](#)

[LinkedIn](#)

[Medium](#)

[Spill The Data Youtube](#)

Technical Skills

Programming Expertise: Python (NumPy, Scikit-Learn, Pandas, Seaborn, Plotly, Shapley, Git)

Programming Experience: SQL, HTML, Pascal, C++

Frameworks: Agile, TensorFlow, Keras, Plotly Dash, Flask, FastAPI, ElephantSQL, PostgreSQL,

Skills: Data analysis, Predictive analytics, Neural networks, Natural language processing, Machine learning

Data Science Projects

TwitOff Application, A predictor of tweet authorship deployed using Flask on Heroku, [Project Link](#), 9/2020

- Used natural language processing to predict who of 2 real Twitter users would have written a tweet
- Used the Twitter API, Flask, PostgreSQL, SQLAlchemy, and all coded in Python and HTML
- Designed the logo and customized the front end from a template

Best-Buds Application, A medical marijuana strain suggester deployed on Heroku, [Project Link](#), 11/2020

- Created the API routes using Python 3 and API contracts using JSON input and output
- Worked in cross-disciplined teams with front-end and back-end web developers
- Designed the logo and title banner

Data Science Articles

Using Machine Learning to Predict Dying Stars in our Galaxy... and Beyond!, Published in **Analytics**

Vidhya, [Article Link](#), [Project Notebook](#) 8/2020

- Compared several different Machine learning models (Random Forest Regressor, Logistic Regression, Random Forest Classifier, and XGBoost Classifier) with multiple metrics
- Explained model with Shapley force plots, permutation importance using ELI5, PDP Box

What makes a good coder into a great data scientist?, Published in **DataDrivenInvestor**, [Article Link](#), 11/2020

- Authored an opinion piece about the best attributes for a data scientist for technical and non-technical audiences
- Discussed the importance of data visualization, storytelling, interpersonal communication, teamwork skills, and having a healthy appetite for knowledge

Employment History

Tech Go!!! By: Dr. Droid, Aberdeen, Maryland **Owner/Lead Technician**, (May 2014 - Present)

Owner and operator of mobile device and computer repair and technical support service.

XPO Logistics, Aberdeen, Maryland **Pit Operator / Warres Certified Trainer**, (August 2017 - October 2017)

Werres certified to train and license operators for all Raymond lift trucks and equipment by the Werres Corporation.

Education

Lambda School, Data Science Program, 2020-2021

Coursework Includes Python Coding, Data Structures & Algorithms, Predictive Statistics, Machine Learning, Data Engineering, Natural Language Processing, Neural Networks, Data Storytelling, Visualizations, & SQL.

University of Delaware, Newark, Delaware Computer and Information Sciences Major, 1994-1995