Matthew Evan Taruno

DATA SCIENTIST

mtaruno@u.rochester.edu

linkedin.com/in/mtaruno • github.com/mtaruno • medium.com/@matthewevantaruno

E D U C A T I O N

University of Rochester | Bachelors of Science in Data Science, Minor in Business

MAY 2017 – 2021, ROCHESTER, NY | GPA: 3.25

Relevant Courses: Data Mining, Data Science at Scale, Operations Research, Predictive Analytics for Business, Database Systems, Statistical Speech and Language Processing, Bayesian Inference

Extracurriculars: Pledgemaster at Alpha Kappa Psi, Men's Club Basketball, Piano and Guitar at Eastman

BrainStation | Diploma Program, Data Science

MAY 2020 - AUGUST 2020, ONTARIO, CA

P R O J E C T S

Vnomics (Fuel Optimization Startup) Vehicle Failure Prediction

JAN 2021 - Present

- Used time series packages and survival analysis techniques to extract useful signals out of vehicle sensor data through extensive feature engineering.
- Built a classification model to find the probability of truck failure two weeks in advance given sensor data using autoencoders.

EVE Bot

AUGUST 2020

- Created a Twitter Apple Support chatbot leveraging NLP techniques such as named entity recognition and document embeddings on Twitter data and a Bidirectional LSTM in Python to classify intents.
- Deployed conversational interface using Streamlit and designed dialogue flow with conditional logic.
- Wrote a Medium article that contains a video demo and goes in depth on the technical workings of this project.

E X P E R I E N C E

Technical Project Manager | TokoPandai

JAN 2019 - Present, JAKARTA, INDONESIA

- Collaborating with Laiye's engineering team to bring their AI-powered automation software to Indonesia – which involves using OCR/ICR technology to automatically ingest invoices and leading a technical team to create a customer service chatbot in Indonesian.
- Significantly improved ID card processing speeds and reduced workforce requirement using computer vision techniques by automating ID card image to tabular data entry with OpenCV.

Data Science Intern | Hindsight Solutions

JANUARY - MAY 2020, NEW JERSEY, NY

- Worked closely with the modeling team on data wrangling and labelling to improve the training of an NLP web recommender system that helps publishers or advertisers monetize and engage audiences.

S K I L L S

Proficient in R, SQL, PySpark, Plotly, PyTorch, Keras, Scikitlearn, Tableau, NLP, Excel, Java, Python for Data Science

Native fluency in English and Indonesian, workplace level proficiency in Mandarin