

# Matthew Evan Taruno

DATA SCIENTIST

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## EDUCATION

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

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

- Successfully built an autoencoder model to predict truck failures given sensor data for a fuel optimization startup called Vnomics as my capstone project. The model is optimized by extensive time series feature engineering.
- **Extracurriculars:** Pledgemaster at Alpha Kappa Psi, Men's Club Basketball, Piano at Eastman
- **Relevant Courses:** Data Mining, Data Science at Scale, Operations Research, Predictive Analytics for Business, Database Systems, Statistical Speech and Language Processing, Bayesian Inference

### BrainStation | Diploma Program, Data Science

MAY 2020 - AUGUST 2020, ONTARIO, CA

## SKILLS

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- **Languages:** Python, R, Java, and SQL
- **Tools and Frameworks:** Tableau, git, CLI, scikit-learn, pytorch, tensorflow, keras, pyspark, databricks, pandas, numpy, seaborn, plotly, TS fresh, spaCy, gensim, and excel.
- Proficient in **data analysis, machine learning, bayesian statistics**, and **natural language processing** for multiple applications including conversational interfaces, financial markets, customer churn, and recommendation systems.
- Native fluency in English and Indonesian, workplace level proficiency in Mandarin
- Interests: Music production, chess, stock market, and table tennis

## PROJECTS

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### 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.

### Research Project: Data Literacy Expectations

JAN 2021 - Present

- Collaborating with [Sandra Cannon](#) to create a useful metric for data literacy expectations for job recruiters using text mining, topic modelling, and supervised learning techniques based on a corpus scraped from LinkedIn using Selenium.

## EXPERIENCE

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### Technical Project Manager | TokoPandai

JAKARTA, INDONESIA; JAN 2019 - Present

- Collaborating with Laiye's engineering team in the deployment of their AI-powered automation software in Indonesia – which involves using OCR/ICR technology to automatically ingest invoices and leading a technical team in the creation of 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

NEW JERSEY, NY; JAN - MAY 2020

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