

Antoni Kingston

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EXPERIENCE

Accenture

Jul. 2025 - Sep. 2025

Data Warehouse Administrator (Internship)

Warsaw, Poland

- Analyzed long SQL queries to deal with reported inconsistencies in telecommunications DWH
- Developed a django web app for custom ticket management based on the system's API
- Got to know the inner workings of DWH operations, especially of ELT process

PROJECTS

gipsDA R library

An R package for discriminant analysis classification using covariance matrices with permutation symmetries

- A fully functional R library available on CRAN developed with best programming practices
- Enhances the functionality of gips by allowing estimation of permutation symmetry shared by multiple matrices
- Offers functions to train Linear and Quadratic Discriminant Analysis classifiers utilizing gips methodology

Tweet Sentiment Predictor

Binary sentiment classification on 100k Sentiment140 tweets via NLP feature engineering and ensemble ML

- Built a three-stage Jupyter pipeline (feature engineering, selection, modeling) on a balanced 100k-tweet corpus with reproducible 5-fold cross-validation
- Engineered lexical, readability, temporal, and embedding features using VADER, TextBlob, Word2Vec, Sentence-BERT (all-MiniLM-L6-v2), and spaCy; selected predictors with L1 logistic regression and feature_engine
- Tuned and compared XGBoost, LightGBM, voting/stacking ensembles, and a Keras MLP with Optuna, achieving ~81% cross-validated accuracy on the extended feature set

A Simple GPT model

Generative language model training

- Implemented a causal Transformer language model in pytorch (attention blocks + RMSNorm)
- Built a custom BPE tokenizer and corpus-to-encoding pipeline; trained on Adam Mickiewicz works and generated text via generate(...)
- In progress: scaling training to the Polish Parliamentary Corpus (PPC)

SKILLS

Technologies : Python (numpy, pandas, sklearn, pytorch, matplotlib), R, SQL, Bash, basic knowledge of C++, Java and HTML/CSS

Mathematics : Linear Algebra, Probability Theory, Statistics, Stochastic Processes, Machine Learning, Financial Mathematics, Convex Optimization, Algorithms and Data Structures

Languages : Polish (Native), English (C2 - CAE Certificate), German (B1)

EDUCATION

MiNI WUT

Feb. 2026 - Present

Computer Science and Information Systems - Master's Studies

Warsaw, Poland

- Methods of Artificial Intelligence Specialization

MiNI WUT

Oct. 2022 - Feb 2026

Data Science and Engineering - Bachelor's Studies (Finished with Grade 4.5)

Warsaw, Poland

- Adapting the gips Library for Classification Problem Utilizing Discriminant Analysis (Bachelor's thesis)