**Objectives**

**Briefly describe your eventual career objective (e.g., University Professor, industry Researcher, etc.)**

Given my broad interest in machine learning, I am to seek full-time employment at a leading-edge AI-focused company like OpenAI or Google DeepMind.

(147 characters)

**Please describe your background (academic and extracurricular) and experience, including research, teaching, industry, and other relevant information.**

In May 2022, I secured a research opportunity at Columbia University’s Cathaypath Institute of Science. Our team aimed to conduct a sentiment analysis of Amazon Kindle Store’s classified product reviews. It was a typical natural language processing task, involving tokenization, lemmatization, features vectorization with TF-IDF, and emotion scoring based on fuzzy string matching and NRCLexicon dictionary. To unlock NLP’s full potential, we incorporated a time series analysis to understand how long it took for reviews’ sentiment to affect sales results. Then, we employed grid search for optimal lag length while training a Decision Tree, a Support Vector Machine, and a Naïve Bayes classifier to predict the ordinal sale changes. With our models achieving prediction accuracies of 72%, 68%, and 69%, respectively, the work has recently been published, with me being the first author.

In July 2022, I secured a full-time software development position at Meituan’s Daojia Business Group (DBG). Here, thousands of teams and divisions heavily depend on back-office applications, such as data management, business process management, and operational analysis. To ease the pain of developers in developing and deploying such applications, we created a low-code, cloud-based development platform named WOLF. My main contribution was to transform the DSL-based configuration method into a graphic one, with which any business idea could materialize into workflows well-defined by a UI element tree. To further refine its composition, I created the event configurator for rapid event attribute selection and the event link for upstream and downstream events to compose or branch events. Moreover, I devised an expression configurator, a style configurator, and a manager for adapters and interceptors; I invented the overall interaction logic of the continuous integration and delivery pipeline. By the end of 2022, WOLF had helped 1319 developers in 200+ teams and hosted 1064 projects.

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