William N. Kentris

Columbus, OH | William.N.Kentris@gmail.com | github.com/kentris

Education

B.S. Computer Science and Engineering, The Ohio State University	May 2013
B.A. Japanese, The Ohio State University	May 2013
M.S. Computer Science, Georgia Institute of Technology	August 2018

Employment

InnoVet Health

Senior Data Scientist   November 2023 - Present
- Built an ETL pipeline in **Python** to gather and process feedback on VA mobile applications from Google and Apple to identify key areas for improvement in the app development process.
- Built a RAG (Retrieval Augmented Generation) application in tandem with a Small Language Model to identify trends in user feedback.

Battelle Memorial Institute - Columbus, OH

Data Scientist - Health Analytics   October 2018 - November 2023
- Developed an NLP pipeline in **Java** for text extraction from Twitter/PubMed, and fine-tuned NER/SR BERT models in **Python** to extract health-related entities and relationships.
- Identified emerging topics in the Healthcare domain with **NLP** techniques (NMF, LDA).
- Built an ETL pipeline in **Python** to download white papers from Arxiv and extract Bibliometric metadata via a CRF model
- Re-engineered CDC applications into an **Angular** app for wide-spread use.

JPMorgan Chase & Co. - Columbus, OH

Application Developer / Risk Strategy Associate   July 2013 - October 2018
- Re-engineered proprietary customer management applications from Cobol to **Java**
- Developed Regulatory and Underwriting Report automation in **SAS**.
- Built **Tableau** Dashboards to provide insight into business performance.
- Conducted Data Mining and Analytics via **SQL** and **SAS** to support decision making.
- Designed database tables to accommodate newly captured customer data in **SQL**

Projects

Kiji - Japanese News Scraper and Vocabulary Extractor   *https://github.com/kentris/kiji*
- Designed and implemented a web scraping tool in **Python** that collects real-time news articles from major Japanese news websites which are then parsed to extract vocabulary to assist learners of Japanese.

Technical Skills

Python - PyTorch, Pandas, NumPy, Scikit-Learn, BeautifulSoup, Selenium
Machine Learning - Deep Learning, Natural Language Processing, HuggingFace
C#, Java, TypeScript/JavaScript, R, SQL, Database Architecture, Power BI