

AUSTIN JAY WINDSOR

Chicago, Illinois · (770) 312-3370 · windsor929@gmail.com

WORK EXPERIENCE

Data Scientist | KPMG LLP, Chicago, Illinois

June 2019-Present

Nation-wide Healthcare Client

- Model US healthcare market to inform policy decisions to identify 13K of regulation violators (5%) and reduce unsubstantiated payouts by \$130M
- Manage 3 workstreams for 2 stakeholders for data integrity, program insights, and ETL automation
- Expand KPMG presence to new divisions by creating workstream to guide client strategic decisions
- Generate visuals and metrics for year-end front office slide deck and world-leading, public reports
- Develop and present weekly statistical KPIs to client program leads using Tableau, Dash, PowerPoint
- Develop ETL pipeline of biannual analyses for time savings, trackability, and standardization
- Gain client confidence in ML/AI applications via Dash app to breakdown machine learning results
- Improve rigor of statistical model for consistent and outlier-resistant boundaries

Internal Innovation: Competitive Strategy Analytics

- Visualize KPMG and competitors' market share to quantify KPMG accounts and growth opportunities
- Isolate trending solicitation types to anticipate future client needs and guide partner-level growth strategy
- Create opportunities for cross-account collaboration by analyzing inter-account data into single dashboard

Business Development: Proof of Concepts

- Develop terrestrial and extraterrestrial geospatial 3D visualizations with interactive python functionalities
- Translate technical results from non-native English analytics team into C-suite level business insights
- Leverage US census and healthcare data to insure uncovered and policy-eligible populations

Natural Language Processing Research Intern | NTT, Kyoto, Japan

May 2018-Aug 2018

- Presented modeling and dataset bottlenecks in terms of linguistics logics acquisition performance
- Experimented several RNN-based algorithms to examine performance on company's test dataset
- Augmented and sourced datasets to improve the data quantity using word2vec and RNN language models
- Immersed fully in Japanese business culture and communicated with coworkers mostly in Japanese

SKILLS

Languages: English (Native), Japanese (JLPT N3), French (DELFB2), Spanish (Conversational)

Coding: Python, R, MATLAB, Mosel, SQL/Hive

Libraries: Plotly, Flask, Theano, Tensorflow, Spacy, NLTK, Xpress, Sklearn, Numpy, Pandas, googlemaps

Platforms: Tableau, Git, Azure Machine Learning, AWS, MS (Excel, Word, PowerPoint)

Methods: Natural Language Processing, Machine Learning, Simulation, Markov Decisions, Statistical Modeling, Relational Databases, Data Analysis, Data Visualization, Statistics, Optimization

EDUCATION

Georgia Institute of Technology, Atlanta, Georgia

December 2018

Bachelor of Science in Industrial and Systems Engineering with High Honors

- Concentration: Operations Research
- Minor: Japanese with International Plan

National University of Singapore

VOLUNTEER

English Teacher | Institución Universitaria Pascual Bravo, Medellín, Colombia

Feb 2020

International Volunteer Coordinator | AIESEC, Atlanta, Georgia

Jan 2016-Dec 2016

English Teacher | Local Language Institute, Tokyo, Japan

June 2014