

Mando Iwanaga

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Data scientist and machine learning engineer with a passion for problem solving, optimization, and efficiency. Experience in data acquisition and data modeling, statistical analysis, machine learning, deep learning, and NLP. With a background in Customer Service, I bring strong skills in team-work, communication, and business understanding that will add value to your industry.

TECHNICAL SKILLS

CORE TOOLS	Python, Pandas, Numpy, Selenium, Tensorflow, StatsModels, OOP, APIs
MACHINE LEARNING	Sci-kit-Learn, Gensim, Keras
DATA CONTROL + STORAGE	Github, Git, PostgreSQL, MongoDB
VISUALIZATION	Matplotlib, Seaborn
DEPLOYMENT	Flask, HTML/CSS, AWS EC2
OTHER	Jupyter Notebooks and Lab

TECHNICAL PROJECTS

DreamJobber - [Github](#) | [Live App](#)

A cold-start recommendation system for tech jobs based on a user's preferences.

- Acquired job data via web-scrape using Selenium and stored as JSON files
- Conducted Natural Language Processing using NLTK and Gensim to tokenize 20,000 job descriptions
- Implemented LDA Topic Modeling to group jobs by topics
- Applied an Unsupervised Nearest Neighbors model using Euclidean Distance to make recommendations
- Deployed as Flask webapp where users can access at www.dreamjobber.online

Board Game Rank Classifier - [Github](#)

A classification model to determine if a board game would rank top 25% on BoardGameGeek.com

- Utilized a mix of API calls and web-scraping to derive data from BoardGameGeek.com
- Applied Gradient Boosting as final classification model evaluated by ROC score
- Performed hyperparameter tuning to improve ROC score and Cross Validated model

Football Analytics - [Github](#)

Football (Soccer) Hypothesis Testing

- Queried and extracted data from PostgreSQL database
- Constructed null-hypotheses and hypotheses; performed one-sample t-test and two sample t-test
- Made conclusions based on test results of whether to reject or accept the null hypotheses

EXPERIENCE

GIST USA LLC - Auburn, WA - Materials Handler, Jul 2018 ~ Jan 2019

- Analyzed pick sheets based on clients orders and gathered the appropriate products for each order
- Loaded and unloaded inventory from cargo docks, delivery trucks, and storage areas
- Packed, loaded, and secured product - up to 30,000 cases per work shift during high season

Professional Golfer - Japan - Apr 2016 ~ Oct 2017

- Played golf professionally on circuit tour in Kyushu, Japan
- Built professional network within the golfing community
- Participated in pro-ams and junior golf clinics as a player and coach

Kumamoto Kukou Country Club - Kumamoto, Japan - Customer Service, Apr 2016 ~ Oct 2017

- Communicated information regarding course, reservation, weather, and any golf-related issues
- Tracked and enforced pace of play
- Created work schedules for caddies, trained caddies in proper duties and etiquette, and assigned carts
- Assisted in golf tournament operations and course marshalling

EDUCATION

Flatiron School Seattle, WA - Apr 2019 ~ Jul 2019

- Immersive Data Science Bootcamp

Tokai University Kumamoto, Japan - 2012 ~ 2016

- Bachelor of Business Administration: Management