



Skills

Deep Learning and NLP: skipgram, cbow, word2vec, neural network modeling, sentiment analysis, natural language toolkit, BIDMat/BIDMach, Keras, gensim

Data Mining and Predictive Modeling: Keras, scikit-learn, sentiment analysis, ensemble learning, named entity recognition systems, regex, pandas, ipython, matplotlib, clustering

Software Engineering: AWS, databases, java, xml, html, css, bootstrap, Flask, git



Data Science Intern Summer 2016

Machine Learning focused internship.

Tasks I worked on included feature engineering and model development for a sentence classification task, working on improving the quality of their resume parser and making their Named Entity System more effective by cleaning their database.

Tools: scikit, regex, java, python, Keras, ensemble learning, neural networks,



Undergraduate Researcher 2016 - Present

Research Focus: Deep Learning for NLP

Using state-of-the-art algorithms to help researchers extract useful information from large corpuses of data. Trying to combine strategies like semantic and syntactic similarities, key-word search and others. Also built a crawler to scrape 200 GB of data and designed a web app to deploy our tool.

Tools: word2vec, Long Term Short Term Neural Network(LSTM), Flask, Scala, BIDMat, BIDMach



Strategic Planner 2016

- Conducted primary and secondary market research to extract useful insights to develop a 10 million dollar campaign for Snapple.
- Applied regression analysis on data from 1500 survey results and produced visualizations.



Data 8: Head Tutor Spring 2016 - Present

- Responsible for coordinating a team of 16 tutors and distributing work to them.
- Creating rubrics for homework questions.
- Teaching 2 weekly tutoring sessions and holding office hours.

Grant Thornton - Corporate Governance Intern Fall 2014

Conducted data collection and analysis on Corporate Governance practices by the companies of the FTSE/XA LARGE CAP index of the Athens Stock Exchange. I explored the composition of the Board of Directors for each company.

Data Science and the Mind - Teaching assistant Spring 2016 - Present

Responsibilities include:

- Giving mini-presentations on topics such as visualization with python and Jupyter notebook as well as material related to my work with the World Color Survey data.
- Helping students with in-class exercises and homework.
- Handling course logistics.

Projects and Distinctions

- **1st Place - Hog Contest:** Created best strategy for the game of hog in a class of 1200 people.
- **Greek National Team:** Participated in the 2014 International Linguistics Olympiad
- **Data Explorations:** Word2vec vs Ngram, Patterns in Color Naming, Surviving the Titanic
- **FOREX algo trading platform (Fall 2016):** Trading FOREX with Machine Learning using Oanda's API.
- **Twitter Sentiment Analysis (Spring 2016):** Using Twitter's API to predict the winner of the 2016 election.
- **Snake Game (Summer 2016):** Classic game of snake in an app-like form with some extra features.