Walter Wu

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EDUCATION

Stony Brook University   **Sep 2012 - Aug 2017**
Stony Brook, NY
- Bachelor of Science in Applied Mathematics and Statistics
- Minor in Computer Science

Udacity   **Feb - Aug 2017**
- Machine Learning Engineer Nanodegree

Coursera   **Nov 2016 - Jan 2017**
- Machine Learning Specification

SKILLS

Programming Languages: * Advanced Skills

Python*	Java*	JavaScript	Go	MATLAB

Tools:

TensorFlow*	Scikit-learn*	NumPy*	Pandas*	BeautifulSoup
Docker	Jupyter Notebook*	Django	AWS	Spark
Git	Linux	PostgreSQL	Django Rest	React.js

PROJECTS

Web Application with React and Django   **Mar 2018 - Present**
github.com/walter090/modo
- Building a news site that tracks news trends and user preferences.

Tools used: React.js, Django Rest Framework, PySpark, AWS

Toxic Comment Detection   **Jan - Mar 2018**
github.com/walter090/toxic_comments
- Experiment with multi-label text classification using CNN and LSTM with attention. Achieved an area under ROC curve of 0.983 with a stacked LSTM with attention.

Tools used: Python, TensorFlow, NumPy, Pandas, Docker

Data visualization   **Oct - Dec 2016**
github.com/walter090/fires_plot_web
- Visualized the data for the Montesinho natural park forest fires dataset using D3.js.

Tools used: D3.js, NumPy, Pandas, Django, Heroku

EXPERIENCE

Web Developer at **be Waste Wise**   **Dec 2017 - Present**
New York, NY
- Designing and implementing a new webinar and user registration system for the website, making the site more user-friendly for people passionate about the environment.
- Building a system that analyzes the site traffic and displays contents based on users' tastes.

Tools used: JavaScript, CSS, Google Analytics

Summer Intern at **Lightbeam Technologies**   **Jun - Aug 2016**
Taizhou, China
- Helped designing and building a system that obtains and visualize data from emails.
- Improved the process for email filtering and reduced the number of filtering errors.

Tools used: D3.js, NumPy, Pandas, BeautifulSoup