Olga Kondratenko

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Fully Work Authorized | No Visa Sponsorship Required

Aspiring Machine Learning Engineer with a background in QA Engineering, recent MS in Computer Science graduate, enthusiastic about artificial intelligence, machine learning and software development.

Education

University of San Francisco, San Francisco, CA
M.S. in Computer Science   Aug 2020 - May 2022
National University of "Kyiv-Mohyla Academy", Kyiv, Ukraine, WES verified
M.S. in Software Engineering   Sep 2011 - Jun 2012
B.S. in Computer Science   Sep 2006 - Jun 2010

Skills

- **ML / AI:** EDA, feature engineering, model training, tuning and testing
- **Back-end**: Python, Java, JavaScript
- **Front-end**: HTML, CSS, JavaScript , Jest, vue.js
- **DBMS**: MySQL, MS SQL
- **Tools and libraries:** GitHub, Postman, pandas, numpy, matplotlib, Jypyter, tensorflow, pytorch, sklearn, seaborn, nltk, vader, Selenium webdriver, Docker
- **OS Environment:** MacOS, Windows, Linux

Recent Projects

Sentiment Analysis of Communication in the Open-Source Projects
CS690: Master's Project, University of San Francisco

Working with a group, used pandas, numpy, sklearn, matplotlib, nltk, vader, python, flask, jinja2, docker, postgresql, sqlalchemy, GitHub in order to build a Constructiveness and Inclusiveness Evaluator, web application that takes communication inside a particular GitHub project and shows how good it is using several metrics.
- I was responsible for containerising application, creating back-end communication between 2 services and a database, creating part of the models, running training scripts and storing models to make the process as fast as possible.
- As a result - we have built ready to deploy web application that takes a link to GitHub project and shows analysis of the communication.
- https://github.com/vmware-labs/ml-conversational-analytic-tool/tree/main/ci_evaluator

Hurricane Trajectory Projection
CS663: Machine Learning, University of San Francisco

Working with a group, used pandas, numpy, sklearn, matplotlib, tensorflow to train a model that would predict trajectory of hurricanes.
- My responsibilities included EDA, feature engineering, working with World Ocean Atlas data: ncei.noaa.gov/products/world-ocean-atlas to extend initial dataset, training a deep learning model.
- As a result a model was produced that predicted hurricane trajectories in 2 main locations: Atlantic and Pacific Oceans.

Data Visualization Project "Hurricanes in the Atlantic Ocean"
CS560: Data Visualization, University of San Francisco

Working individually on an analysis and data visualization, used JavaScript, D3, P5, HTML, CSS, pandas, python, GitHub, GitHub pages in order to present a data in an easy, interactive and usable way: https://olga-kondr.github.io/dv-project.html

Work Experience

Researcher, Volunteer, USF labs   May 2021 - current
Working with a group to train a model that would predict the objective of the research.

• EDA, feature engineering, working with weather related data to extend dataset;
• Training a deep learning model;
• Writing a scientific paper.

Teaching Assistant, University of San Francisco   January 2022 - May 2022

• Held office hours and conducted class platform's communication;
• Created lab and other assignments with starter code in Java;
• Implemented unit tests to help students find mistakes and improve their code.

Private Entrepreneur, Ukraine   2011- 2018

I worked as an IT Consultant on various short-term and long-term projects for European companies. Some of the major projects:

QA Engineer, Consultant, Ukraine, 05/2017 - 04/2018:
• Setup test automating framework from scratch using Selenium Webdriver, python, unittest;
• Interviewed candidates to the team, trained newcomers;

QA Engineer, Consultant, Ukraine, 02/2013 - 03/2017:
• Improved test coverrage from 30% to 60% using Telerick Test Studio;
• Performed smoke, regression, functional, black-box, installation and compatibility tests to ensure project's quality;
• Used JMeter, sql Profiler, Fiddler to analyse test performance and define areas of improvement;

Support and QA Engineer Consultant at Quadrox, Ukraine, 08/2011 - 10/2012:
• Helped customers solve non-trivial issues with the software at the second line of support (in English);
• Was responsible for the network administrating, software and hardware support of QA and development teams.