# Olga Kondratenko

San Francisco, CA | tel: (310)7606340 | email: olha.kondratenko@gmail.com
LinkedIn: linkedin.com/in/olhako | GitHub: github.com/olga-kondr
Fully Work Authorized | No Visa Sponsorship Required

Aspiring Machine Learning Engineer with a 7-year 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, cnn, rnn, lstm
- **Back-end**: Python, Java, JavaScript, SQL
- **Front-end**: HTML, CSS, JavaScript
- **DBMS**: MySQL, MS SQL, postgreSQL
- **Tools and libraries:** GitHub, Postman, pandas, numpy, matplotlib, Jupyter notebook, tensorflow, pytorch, keras, sklearn, seaborn, nltk, vader, Docker, sqlalchemy, vue.js, Jira
- **Frameworks:** Flask, unittest, Jest, Selenium webdriver, Cucumber
- **OS Environment:** MacOS, Windows, Linux

## Recent Projects

Data Visualization Project "Hurricanes in the Atlantic Ocean"          Jan 2022 - May 2022
CS560: Data Visualization, University of San Francisco

- Performed data cleaning, and data analysis using pandas, python
- Used JavaScript, D3, P5, HTML, CSS to create interactive visualisations of the data
- https://olga-kondr.github.io/dv-project.html, https://olga-kondr.github.io/dv-works.html

Sentiment Analysis of Communication in the Open-Source Projects          Aug 2021 - Jan 2022
CS690: Master's Project, University of San Francisco

- Built ready to deploy web application that takes a link to GitHub project and shows analysis of the communication using python, flask, jinja2, postgresql, sqlalchemy, Docker
- Implemented back-end with 2 services and a database
- Created 2 of the 5 ML models using pandas, numpy, sklearn, improved training scripts to ensure models' accuracy increase by 15% and decreased time of response by 40% with model storing
- https://github.com/vmware-labs/ml-conversational-analytic-tool/tree/main/ci_evaluator

Hurricane Trajectory Projection                                              Jan 2021 - May 2021
CS663: Machine Learning, University of San Francisco

- Used pandas, numpy, sklearn, matplotlib for EDA, feature engineering, worked with World Ocean Atlas: ncei.noaa.gov/products/world-ocean-atlas
- Set up tensorflow using CUDA on the GPU to train a mode that would predict trajectories of hurricanes, which decreased training speed by 70%

- Increased model's accuracy by 20%

## Work Experience

Teaching Assistant, University of San Francisco                     Jan 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

Sys Admin Assistant, University of San Francisco                     Jan 2022 - May 2022

- Installed and updated linux, windows, macOS software that unblocked students' access to 3 labs with the scientific software
- Tested and replaced broken hardware

Private Entrepreneur, Ukraine                     Aug 2011 - Nov 2018

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

QA Engineer, Consultant, Kyiv, Ukraine                     May 2017 - April 2018
- Setup test automating framework from scratch using Selenium Webdriver, python, unittest
- Raised coverage to 85%
- Conducted analysis and implemented improvements for the unsuccessful sprints to eliminate risks in the future
- Based on own research presented solutions for test automation for the new client

QA Engineer, Consultant, Kyiv, Ukraine                     Feb 2013 - Mar 2017
- Improved test coverage from 30% to 60% using Telerik Test Studio, C#
- 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

## Volunteer Experience

Research Assistant, USF labs                     Sep 2021 - current
- Perform EDA, feature engineering using python, pandas, numpy
- Work with Google Earth Engine (gee) and weather data
- Train deep learning models
- Write a scientific paper