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 Authorised

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.

Skills

- **ML / AI:** EDA, feature engineering, model training, tuning and testing, cnn, rnn, lstm
- **Programming Languages**: Python, Java, JavaScript, C++ (basic), SQL, HTML, CSS
- **Frameworks:** Flask, unittest, Jest, Selenium webdriver, Cucumber
- **Tools and Libraries:** GitHub, Docker, sqlalchemy, Postman, pandas, numpy, matplotlib, Jupyter notebook, tensorflow, pytorch, keras, scikit-learn, seaborn, nltk, vader, D3, vue.js, Jira
- **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
- Links to the project: 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 a ready to deploy web application with 2 services and a database that takes a link to GitHub project and shows analysis of the communication using python, flask, jinja2, postgresql, sqlalchemy, Docker
- Created 2 of the 5 ML models using pandas, numpy, scikit-learn, improved training scripts to ensure models' accuracy increase by 15% and decreased time of response by 40% with model storing
- Link to the project: 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, scikit-learn, matplotlib for EDA, feature engineering, training models, worked with 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%

Work Experience

Teaching Assistant Jan 2022 - May 2022
University of San Francisco, CA

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

System Admin Assistant Jan 2022 - May 2022
University of San Francisco, CA

- Installed and updated linux, windows, macOS software that helped 40+ students to access the scientific software they needed
- 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. Major projects:

IT Consultant, Contractor May 2017 - April 2018
N-ix, Kyiv, Ukraine

- 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

IT Consultant, Contractor Feb 2013 - Mar 2017
Ciklum, Kyiv, Ukraine

- 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 defined 3 areas of improvement

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 credentials*
M.S. in Software Engineering Sep 2011 - Jun 2012
B.S. in Computer Science Sep 2006 - Jun 2010

Volunteer Experience

Research Assistant, project started at University of San Francisco ML lab Sep 2021 - Present

- Perform exploratory data analysis (EDA), data cleaning, feature engineering using python, pandas, numpy
- Work with Google Earth Engine (gee) and weather data in arcgis format
- Train deep learning models
- Write a scientific paper