Olga Kondratenko

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

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

Skills

- **Back-end**: Python, Java, JavaScript
- **Front-end**: HTML, CSS, JavaScript , Jest, vue.js
- **ML / AI:** EDA, feature engineering, model training, tuning and testing
- **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

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

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: https://www.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.

Hotel Search Service
CS601: Principles of software development, University of San Francisco

Working individually on a service that uses hotel information got from a JSON files and following technologies to build an informational service to help travellers find the best place to stay.
• Using Java implemented search for the hotel, for the corresponding hotel reviews and reviews sorted by word frequency.
• Implemented concurrency for uploading data and searching over it.
• Added unit tests using JUnit.
• Showing hotels on Google Maps.
• Introduced likes, reviews, rating.

Game "Sea Battle"
CS601: Principles of software development, University of San Francisco

Individual project that was focused on creating a back-end of the web game for the player against the "computer".
• As a result a back-end of the game was developed using Python, flask, docker, postgresql, sqlalchemy.

Work Experience

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

• Holding office hours and conduct class platform's communication;
• Creating lab and other assignments using Java;
• Implementing unit tests to help students find mistakes and improve their code.

Private Entrepreneur, Ukraine   2011- 2018

I worked as a consultant on various short-term and long-term projects for European companies. Some of the project examples:

General / Automation QA Engineer Contractor, Ukraine, 02/2013 - 11/2018:
• Setup automated testing using Selenium Webdriver, Jest with JavaScript, python with unittest;
• Smoke and regression, functional, black-box, installation and compatibility testing;
• Using SQL, Telerik test studio, JMeter, sql Profiler, Fiddler for test purposes;
• Interviewing candidates, newcomers training;

Support and QA Engineer Contractor at Quadrox, Ukraine, 08/2011 - 10/2012:
• Blackbox testing;
• International products' support (in English);
• Network and system administrating.