

Olga Kondratenko

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Fully Work Authorized | No Visa Sponsorship Required

Aspiring Software Development Engineer with a 7-year background in QA Engineering, recent MS in Computer Science graduate, enthusiastic about artificial intelligence 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

- **Back-end:** Python, Java, JavaScript, SQL
- **Front-end:** HTML, CSS, JavaScript
- **DBMS:** MySQL, MS SQL, PostgreSQL
- **ML / AI:** EDA, feature engineering, model training, tuning and testing, cnn, rnn, lstm
- **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

Game “Sea Battle”

Sep 2020 - Dec 2020

CS601: Principles of software development, University of San Francisco

- Developed a back-end of the game using Python, Flask, Docker, postgresSQL, SQLAlchemy
- Introduced a new type of the board: 15x15 in addition to 10x10
- <https://github.com/olga-kondr/seabattle>

Hotel Search Service

Aug 2020 - Dec 2020

CS601: Principles of software development, University of San Francisco

- Created a service that uses hotel information got from a JSON files to build an informational service to help travellers find the best place to stay
- Implemented search using Java that allows users to search for the hotel and reviews sorted by word frequency
- Implemented concurrency for uploading data and searching over it, which decreases search time by 40%
- Added unit tests using JUnit with 85% coverage
- Added hotels to the incorporated Google Maps
- Introduced likes, reviews, rating functionality

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