

Zlata Izvalava

zlata.izvalava@gmail.com • (647) 636-4442 • github.com/izlata • linkedin.com/in/zlata-izvalava-49a1bb132 • Canada

EXPERIENCE

Omdena

Sep. 2022 – Dec. 2022

Junior Machine Learning Engineer (Volunteering)

Remote

- Participate in the **AI Assisted Collaborative Mapping Tool for Disaster Management** project for Humanitarian OpenStreetMap Team (focus on aerial images and mapping, data processing, computer vision)
- Tools: Python, GDAL, GeoPandas, shapely, Git

AltaML

May 2022 – Aug. 2022

Associate Machine Learning Developer (Contract)

Calgary, AB

- Collaborated with team members on a machine learning project for a financial institution
- Performed data extraction, processing, analysis and visualization as well as feature engineering and modelling (mainly supervised ML tasks) using Python and SQL. Tools: GCP BigQuery, JupyterLab, GitLab
- Made improvements to the existing codebase and reduced the code complexity, created a pipeline to generate feature sets for modelling from raw data (Python)
- Participated in regular meetings with the client's team and presented methodology, results and findings

AGAT Laboratories Ltd.

July 2018 – July 2019

Laboratory Technician

Mississauga, ON

- Performed laboratory experiments and statistical data analysis to develop and validate a new test method
- Determined concentrations of contaminants in environmental water samples using liquid chromatography – tandem mass spectrometry (LC/MS/MS)
- Interpreted the data generated by laboratory instrument using Agilent MassHunter software and prepared reports

Axalta Coating Systems Canada Company

Aug. 2017 – July 2018

Technologist

Ajax, ON

- As part of the Technical and Quality Assurance team, performed laboratory testing of automotive coatings for product development and continuous improvement (manufacturing environment). Evaluated test results, summarized findings

EDUCATION

Lighthouse Labs

Diploma, Data Science Bootcamp (2022)

University of Toronto School of Continuing Studies

Certificates: Data Science, Artificial Intelligence (2020)

Belarusian State University

Master's Degree in Chemistry (2008)

Bachelor's Degree in Chemistry (2007)

Recognized by WES Canada

PROJECTS

Book Recommendations

A recommender system that provides personalized book recommendations for users based on their interests.

Tools: Python, pandas, scikit-learn, Surprise (collaborative filtering), Streamlit (web app)

Identifying Duplicate Questions (NLP)

The project included data analysis of the dataset with questions from Quora, encoding questions as sentence embeddings and training a classification Keras model to predict whether two questions are duplicates.

Tools: Python, pandas, seaborn, gensim, TensorFlow, Keras

SKILLS

Programming: Python, SQL

Data Analysis and Machine Learning: NumPy, pandas, matplotlib, seaborn, plotly, scikit-learn, TensorFlow, Keras