

Ilan Korol

Israel

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Summary

Passionate software developer with a strong background in software and information systems engineering. Proficient in multiple programming languages and experienced in developing robust, scalable applications looking for a position as **software engineer**. Adept at problem-solving, collaborating with cross-functional teams, and continually learning new technologies. Eager to leverage my technical expertise to contribute to innovative software solutions.

Education

B.Sc Software and Information Systems Engineering – Graduated at April 2024.

Specializing in **Data science** • Ben Gurion University • 2024.

Projects

Wikipedia search engine-Large Scale System

- In this project, the site returns the best results based on a given query.
- Created an Inverted index for body, title and anchor text (for each page), tfidf was calculated in runtime.
- The final search method was done using BM25 calculation function.
- Maintaining the data pipeline system and processes including organizing, storing, labelling, and analyzing the data received, to ensure timely delivery of high-quality data required for the development of the search engine.
- Technologies used: Google Cloud environment (GCP), Pyspark, Numpy, Pandas, Scipy.

WiDS Datathon 2020 – Data science prediction competition in Kaggle

- Predict patient survival, using different data science models, Data Preprocessing and different evaluation methods.
- Handled missing data by removing features with more than 80% missing values and using statistical methods for imputation.
- Activating a method for selecting relevant characteristics, for the best results decided different weights for each model, chose to use chi square to select the most significant features for our predictive model.
- We have reached prediction level of **0.84** using ensemble prediction with LightGBM, Logistic Regression, Decision Tree, Random forest and Naïve bayes.
- Using Python, shapley values, pandas, numpy, scikitlearn .

Certifications

Tableau 2022 -Data Science From Zero To Hero • May 2024

AWS Solution Architecture course • June 2024

Skills

- Programming languages: Python, SQL, R, C#, C++, C, Javascript.
- Soft skills: Teamwork, Communication, Problem solving, Leadership, Analytical thinking.
- Data analysis and visualization: Tableau, Excel, Power Point, Python.
- Management methodologies: Scrum, Waterfall, Lean, Critical Path Method.

Experience

Carpenter

Woodlee

January 2018 - January 2019, Ashdod

- Constructed customized built-in furniture and cabinets, reducing job completion time by 2 weeks.
- Communicate effectively with team members to ensure projects completed efficiently.

Military Experience

Project manager

IDF | Egoz unit

January 2015 - January 2018,

- Collaborate with companies and customers to create the most useful devices for the needs of the unit.

Languages

Hebrew: Native. English: Full proficiency. Russian: Fluent.