Igor A. Kheyfets

www.github.com/ikheyfets | i.a.kheyfets@gmail.com | 617-417-2510

Education:

M.S. – Computer Science, Data Analytics Concentration — Boston University, 2022
B.S. – Chemical Engineering — University of Massachusetts, Amherst, 2018

Project Work:

US Wildfires Classifier

- Built classification models in R via Naïve Bayesian, KNN, Random Forest and Decision Tree classifiers
- Used Google Cloud BigQuery to warehouse data, merge original dataset with global historical weather data

Mt. Rainier Summit Success Rate

- Built regression models predicting success rate of summiting mt. Rainier based on environmental factors

NASA Meteorites Dataset Analysis

- Performed Exploratory Data Analysis on publicly available dataset of meteorite landings released by NASA

Data-Driven Hydroponics System

- 3D printied a hydroponics tower to grow strawberries
- Wrote monitoring software, automating water-pump cycles based on weather data from NWS API as well as water temperature and pH sensors

Work Experience:

Applications Support Engineer – Speedgoat Inc. — July 2020 – October 2021

- Developed application notes and examples to demonstrate use of analog and digital IO interfaces and communication protocols such as Profibus, Profinet, Modbus, CAN, RS232, ARINC, EtherCAT, SPI to clients
- Supported customers in the data ETL processes
- Designed and implemented maintenance quote generation software

Process Engineer – DPS Engineering Group — November 2018 – February 2020

- Automated Data Loading processes for Sanofi Documentation and Validation team
- Developed dashboards for project progress monitoring, ran weekly reports

Applications Intern – Radix Engineering — January 2018 – November 2018

- Created PI Vision dashboards for UMass Amherst Central Heating Plant to facilitate data-driven decision making
- Facilitated data migration from legacy systems into PI Data Historian

Technologies:

- MS SQL Server Management Studio, MySQL, SQLite, NoSQL (Apache Cassandra)
- R (tidyverse, rsqlite, bigrquery), Python (tensorflow, keras, matplotlib, sklearn)
- Tableau, Power BI, PI Vision
- Git, Jupyter Notebooks, Unix command line, Google Cloud Platform

Interests:

3D Printing & Modeling, Backcountry Skiing, Rock Climbing, Running, Sailing