Dawid Miszczyk

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EDUCATION

University of Illinois at Chicago (UIC) December 2023
Bachelor of Science in Computer Science
Relevant Coursework: Data Structures, Computer Algorithms, Artificial Intelligence I, Introduction to Data Science

Wilbur Wright College, Chicago, IL May 2018
Associate of Science in Engineering

SKILLS

Programming Languages: C, C++, Python, Java, F#, SQL, HTML, CSS
Software/Frameworks: Git, C++ STL, Scikit-learn, TensorFlow, NLTK, Pandas, Seaborn, Numpy, RESTful API, React
Spoken language: Fluent Polish, conversant German

PROJECTS

Stock Price Time Series Forecasting February 2024
- Developed an app in Python that predicts stock prices using machine learning regression models
- Wrangled historical stock data obtained from the Yahoo Finance API using DataFrames
- Implemented a Feedforward Neural Network (FNN), Recurrent Neural Network (RNN) in TensorFlow to predict stock prices and coded visualizations in Matplotlib for predictions and loss functions to evaluate model performances

Divvy Ride Duration Predictions (UIC) December 2023
- Performed an experiment using Divvy bike ride data and weather data in Python in team of four people
- Wrangled data in DataFrames and Comma Separated Value (CSV) files to ensure the data is accurate
- Implemented regression models from Scikit-learn, loss function analysis and coded visualizations in Matplotlib
- Demonstrated project methodology to the class via PowerPoint presentation

Hospital Database System (UIC) November 2023
- Developed a full-stack app with a relational database for a hospital system in Python, MySQL from scratch
- Implemented a GUI with create, read, update, delete (CRUD) operations using text commands for employees
- Tested the app by typing commands and verifying updates to the database in MySQL Workbench

Priority Queue (UIC) May 2021
- Tasked to implement a priority queue API in C++ using linked list and binary tree data structures
- Implemented functions using algorithms and Object Oriented Programming (OOP) principles
- Developed Google Tests with thousands of assertions to detect bugs in the code and check edge cases
- Employed Google Style rules in each code file to make the project code more maintainable and readable

WORK EXPERIENCE

US Census, Chicago, IL August 2020 - November 2020
Enumerator
- Completed the Census 2020 survey with Chicago residents given by daily assignments
- Achieved a top 20% rank for completed assigned cases among enumerators in the nation
- Reached the weekly bonus several times because of successfully enumerated cases