

# 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, Intro to Artificial Intelligence, Intro 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 in Polish, conversant in German

## PROGRAMMING PROJECTS

### **Divvy Ride Duration Prediction (UIC)**

December 2023

- Created hypotheses and tested them on machine learning regression models in Python in a team of four people
- Wrangled temperature data and Divvy ride data using CSV files and DataFrames
- Implemented the regression models with visualizations in Scikit-learn, Matplotlib and analyzed their loss functions
- Demonstrated project methodology to the class via PowerPoint presentation

### **Stock Price Time Series Forecasting**

December 2023

- Developed an app in Python that predicts stock price based on features in the stock's historical data
- Wrangled stock data obtained from the Yahoo Finance API using CSV files and DataFrames
- Implemented training an RNN model with thousands of days of historical stock data in TensorFlow
- Evaluated the RNN model's performance by analyzing the loss function and visualization in Matplotlib

### **Hospital Database System (UIC)**

November 2023

- Developed a full-stack desktop app with a MySQL database and GUI in Python
- Implemented a GUI that allows the user to login and perform CRUD operations to the database using text commands
- Tested the app by typing commands and verifying the database updated properly in MySQL Workbench

### **Priority Queue (UIC)**

May 2021

- Tasked to build a custom priority queue data structure with operational functions in C++
- Implemented an API to store data using a class with nodes to create a binary tree which contained linked lists
- Coded Google Tests with thousands of assertions to check edge cases and detect bugs in the code

## WORK EXPERIENCE

### **US Census, Chicago, IL**

August 2020 - November 2020

*Enumerator*

- Completed the Census 2020 survey with Chicago residents given by daily assignments
- Ranked in the top 20% for completed assigned cases among enumerators
- Achieved the weekly bonus several times based on successful enumerated cases

### **Best Buy, Norridge, IL**

*Sales Consultant*

- Assisted customers with making informed purchase decisions on home theater products
- Performed most department open and closing duties including fixing displays
- Signed up customers for financing by explaining the promotions and completing credit applications

