

# 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:** MySQL, Git, C++ STL, React, Scikit-learn, Pandas, Seaborn, Numpy, RESTful API

**Spoken language:** Fluent in Polish, conversant in German

## PROGRAMMING PROJECTS

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

December 2023

- Analyzed Divvy ride patterns in a team of four and tested our hypothesis using several machine learning models
- Cleaned temperature and Divvy ride data from several CSV files using Pandas
- Coded machine learning regression models to test our hypothesis and checked which model predicts accurately

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

November 2023

- Designed a database that stores user information using MySQL for back-end and Python for front-end
- Coded a GUI that allows the user to login and perform CRUD operations to the database
- Tested the application by doing commands and verifying the MySQL Workbench updated

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

May 2021

- Tasked to build a custom priority queue in C++ and coded operational functions
- Coded test cases with thousands of assertions that check for bugs including edge cases
- Designed an API using a class with nodes to form a binary tree and linked lists

### **Custom List Project**

May 2022

- Implemented classes using a doubly linked list with a C-array data member that store and operate on data
- Coded methods that performs operations such as adding and removing nodes from the list
- Coded unit tests to check for bugs in the code and test code validity

## 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 applications