**Anthony Urbina**

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**EDUCATION**

**University of Toledo,** College of Engineering Toledo, OH

Bachelor’s in Computer Science and Engineering Technology (CSET) May 2023

* Relevant Coursework: OOP & Data Structures, Discrete Structures, Database Driven Websites

**SKILLS**

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| --- | --- | --- |
| * **Python** | * **SQL** | * **Excel** |
| * **Seaborn** | * **IBM DB2** | * **Power BI** |
| * **PyTorch** | * **Pyodbc** | * **Tableau** |

**PROFESSIONAL EXPERIENCE**

**DTE Energy** Detroit, MI

*Student Co-Op* August 2021 - Present

* Develop Python scripts for Power BI to visualize and sort primary customers by yearly outages
* Researching manual tasks that can possibly automated with Python
* **Application SME** for web applications and databases migrations
* Searching historical files and excel files and extracting the information later stored into SharePoint
* Created Power BI script that connects to SQL Database for customer queries and daily reports queries
* Produced SQL query application for my supervisors and Operations Analyst to use in my department
* Removing duplicate SQL records for more accurate SQL queries

**PROJECTS**

* Open-Source Intelligence script that collects data from multiple API’s
* Learning and applying Machine Learning for password Cracking
* Web Scraper that scrapes food images from Reddit using beautiful soup 4
* Password list generator this will generate list of combinations based on given permutations and export them to a text file
* Develop a website to track Covid statics using HTML, CSS, and Javascript
* GUI grading application created in Visual Basic
* Designed social media front-end app using Flutter

**RESEARCH**

* Studying where you can collect sources of data for open-source intelligence and how that data can be manipulated
* Researching and developing machine learning algorithm for password cracking
* Developed an area code scanner to validate phone numbers and display the owners name and carrier