

# EDWARD SATTERLEY

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## EDUCATION

### **Bachelor of Science Information Technology, Data Technology**

**Spring 2024**

University of Cincinnati, Cincinnati, OH

GPA: 3.76

Made Dean's List for Fall Semester of 2021 and Spring Semester of 2021

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## AREAS OF EXPERTISE

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|------------------------|--------------|-------------------------------------|
| ▪ Microsoft SQL Server | ▪ HTML/CSS   | ▪ MongoDB                           |
| ▪ Postgres             | ▪ QGIS       | ▪ Machine Learning (Decision Trees, |
| ▪ Microsoft Excel      | ▪ Linux      | Linear Regression, Z Score, Ridge   |
| ▪ Power BI             | ▪ JavaScript | Lasso Regression)                   |
| ▪ Python               | ▪ KNIME      |                                     |

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## PROFESSIONAL EXPERIENCE

### **University of Cincinnati- Department of Public Safety**

First Internship (May 3, 2021 – August 9, 2021)

Second Internship (May 9, 2022 – Present)

#### **Crime Analyst Intern**

Fulfilled various projects pertaining to data collection, data analysis, and data munging. As well as worked alongside the UC Crime Analyst, Michael Zidar, to help aid within the department when necessary.

- **Produced an analysis report** after manipulating data from a database, using excel functions along with QGIS to produce an articulate report describing trends, factual data, and data-driven predictions.
- **Performed an ETL process** by taking a database in Microsoft SQL Server, connecting the database to an open-source data warehouse (Airbyte), and then creating the destination to PostgreSQL to establish a connection to synchronize the data from Microsoft SQL Server to PostgreSQL while using a Linux Virtual Box.
- **Constructed a webpage prototype** hosted on XAMPP using PHP, HTML, CSS, JavaScript, and Bootstrap to display a model of the master person database project to add to the UCPD's personal webpage.
- **Established static server** through installing Ubuntu Server on the machine and operating within the machine through PuTTY to establish connections within Apache and SQL Server.
- **Programmed JavaScript code to automate** the process of creating a Microsoft PowerPoint presentation template containing a title page, a bar graph, and a stacked bar graph.

### **University of Cincinnati- CECH College**

**August 23, 2021 – April 25, 2022**

#### **Student Success Coach**

Hired for 2021 fall semester as well as 2022 spring semester for the CECH College within the University of Cincinnati as a success coach for first year IT (Information Technology) students entering the college. During these semesters, while being a full-time student I also managed ten students in the fall and five students in the spring semester. I attended some of the first-year student's classes and spoke on my findings and success within college as an IT student.

- **Conducted meetings** with individual students every week and constructed a plan for the students' academic procedures or checked on and guided the students to their academic success.
- **Offered resources to students** who needed assistance regarding academics or outside of school activities.