**Education:**

**SUNY New Paltz** 2018 - May 2021

Bachelor's Degree - Information Science

**Dutchess Community College**2016 - 2018

A.S. Information Management

**Skills**:

* Languages: Java, Python, HTML, CSS, PHP, Javascript, C++, SQL, MySQL
* Hardware: Raspberry Pi
* Operating Systems: Windows (7, 8.1, 10, Server), Linux/Unix

**Relevant Coursework:**

Information Retrieval Systems, Database Systems, Data Structure, Java Programming, Algorithms, Object Oriented Programming, Calculus, Software Engineering, Intro to Data Science

**Experience**

**\***Intern for Electra Technology, West Hartford, CT (March 2021 - August 2021):

Assisted in developing carbon tracking API for data analysis of ESG criteria of B Corporation emissions

**Major Projects:**

* Created a demo application for a local hotel in Visual Studio using C++
  + U/I for ordering food at hotel restaurant
  + U/I for golf course at hotel
    - Tracked users score and returned score, compared it to par of course
    - Included betting feature so users could place wagers
  + U/I contained mapping for local hiking trail
    - Displayed highlighted hiking trails on map, tracked where you walked
  + U/I for room reservations
* Software proposal
  + Data Flow charts for program
  + Curtailed a budget for said program in Excel
  + Created a temporary Database through SQL for mock company that used customer information
* Algorithms & Data Structures Project
  + Used select sort, insertion sort, merge sort, quick sort, and heap sort to effectively sort arrays of integers and recorded the effectiveness of the algorithms by number of comparisons
  + Required understanding of the importance of using the correct data structures and algorithms for specific data sets
* Cloud Based Grocery Store POS
  + Full Stack Crash course
  + Taught myself PHP and SQL through XAMPP to develop a cloud based Point of Sale System made for use by grocery stores
  + Learned about HTML, CSS, Bootstrap, and security compliances.
* Apache Hadoop Map Reduce Analysis
  + Data Extraction
  + Data Transformation
  + Data Cleaning and Training
    - Used Weka, Python, along with pandas & numpy libraries
  + MapReduce Naive Bayes Algorithm
    - Implemented HDFS
    - Processed data set through key-value pairs to be curated into relevant data
    - Implemented supervised machine learning naive bayes algorithm