

MATTHEW MARCONI

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Education

Allegheny College | Meadville, PA

Major: Computer Science and Business

Intended Graduation: May 2021

Distinguished Alden Scholar (Dean's List)

Major GPA: 3.7/4.0

Coursework: Mathematics, Computer Science, Data Analytics, Database Systems, Software Engineering, Economics, Business, Marketing, Writing, and Public Speaking

Work Experience

Data Analyst | ServiceLink – Coraopolis, Pa

June 2020 – Present

- Worked on the ServiceLink Business Intelligence team, directly under BI Director.
- Wrote queries in SQL Server Management Studio to manipulate company databases.
- Designed multiple usage reports and dashboards in Microsoft Power BI.
- Performed daily tasks as requested by other ServiceLink employees through company ticketing system.

Resident Advisor | Allegheny College Residential Life – Meadville, Pa

August 2018 – Present

- Participated in a two-week training program to better develop skills in problem solving, mediating, and building an inclusive environment.
- Represented Allegheny College and directed 24 students as live-in advisor and resource.
- Communicated and collaborated with a hall staff of 8 students to establish a united leadership team.
- Planned, implemented, and conducted activities and programs to build community and help meet residents' social, academic, and developmental needs.

Technology Instructor | Lavner Camps – Narberth, Pa

June – August 2019

- Instructed several technology camps as needed. Tech camps include Robotics, Coding (Scratch, Java, Python, C++), Minecraft, Game Design, and 3D Printing.
- Implemented goals for campers using the provided curriculum and ensuring that they complete their projects throughout the week.
- Attended daily staff meetings, assisting with sign-in and pick-up, and following all policies and procedures.
- Worked to be a role model for campers and staff, and arriving every day with an inclusive, professional, upbeat, and positive attitude.

Engineering Intern | Metal Powder Products (MPP) – St. Marys, Pa**May – August 2018**

- Performed multiple capability analysis studies to determine the most efficient processes of manufacturing parts to proper specifications.
- Ran tests involving different packaging and shipping techniques to prevent wear on products.
- Worked with coordinate measuring machines (CMM) to ensure parts were being manufactured to proper specifications and developed solutions if parts did not fit specifications.
- Created a new electronic filing system for all process sheets of manufactured parts.

Park Counselor | City of St. Marys Parks and Recreation – St. Marys, Pa**May – August 2017**

- Lead organization of youth and senior citizen community events.
- Supervised youth basketball league grades 4 through 6.
- Assisted with managing the park's social media platforms.
- Ensured proper daily maintenance of the parks.

Computer Skills

- Java • JavaScript • Python • SQL. • SQL Server Management Studio • Django • MongoDB
- Solid Edge • Minitab • Cassandra • Docker • C++ • C • HTML
- Microsoft Visual Studio. • Microsoft Power BI • Microsoft Office • AutoCAD

Projects**Baseball Statistic Calculator**

- A program utilizing Java code that has a user-interface with multiple options for calculating various baseball specific statistics. Also has an added function that plays “Take Me Out to the Ballgame” utilizing jfugue.

Doubling Program

- Worked with a team of two others to create a Java program that performs a doubling experiment on an implementation of the insertion-sort algorithm and an implementation of the merge-sort algorithm in order to determine the execution time of a given input size.

gatorgrouper

- Class project to create an automated group formation tool enabling effective teamwork. This tool utilizes Python code.

schemaanalyst

- An open source project that is a tool for search-based test data generation for relational database schemas.

CollegeFinder

- Collaborated in a team with two others to create a Python program that prompts the user with questions pertaining to college applications. The program then takes the data collected and runs an analysis to display different college choices based off the user input.