MATTHEW MARCONI

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Education

Allegheny College | **Meadville, PA**

· Major: Computer Science and Business   Intended Graduation: May 2021

· Minor: Economics   Major GPA: 3.7   Minor GPA: 3.667

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

· GitHub username: mmarconi https://github.com/mmarconi

· LinkedIn: https://www.linkedin.com/in/matthew-marconi-99268b159/

Work Experience

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 7 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 2019 – 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.

· Attending daily staff meetings, assisting with sign-in and pick-up, and following all policies and procedures.

· Being 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 2018 – 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 2017 – 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   •Python   •SQL •Django •MongoDB   • AutoCAD

- Solid Edge   • Microsoft Office   •Minitab   •Cassandra

Projects

· Created a statistics calculator with multiple applications specific to the sport of baseball.

· 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.

· Performed work on gatorgrouper, an automated group formation tool enabling effective team work.

· Currently working on schemaanalyst, an open source project that is a tool for search-based test data generation for relational database schemas