

Robert McMaster

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EDUCATION

Allegheny College, Meadville, PA

Graduation: May 2021

Bachelor of Science: Computer Science

Minor: History

TECHNICAL EXPERIENCE

Computational Expression, Java

- Learned the computational structures needed to solve problems and produce artifacts
- Emphasis on creative expression through a programming language
- Taught how to organize and document source code effectively

Discrete Structures, Python

- Emphasis on understanding the abstract structures used to represent discrete objects
- Learned computational methods and logical principles needed to create and manipulate discrete objects

Programming Languages, C, C++

- Studied the fundamental concepts that arise in different programming language paradigms
- Leveraged the styles and features of programming languages to implement efficient computer software

Web Development, HTML, CSS, Javascript

- Learned the computational methods needed to create websites that are useful to people
- Investigated approaches to developing efficient, accessible, and aesthetically pleasing websites that adhere to international standards
- Emphasis on understanding intercultural perspectives that arise during the design, implementation, and maintenance of mobile-ready websites

Software Engineering, Python

- Studied the human-centric principles used during the engineering of high-quality software systems
- Participated in designing, developing, and delivering a significant software application for a customer

Data Abstraction, Java

- Emphasis on implementing and evaluating computational structures to effectively store and retrieve data
- Created data structures whose performance was studied through proofs and experimentation
- Continued to refine skills to organize and document source code to communicate effectively with user

Algorithm Analysis

- Learned the fundamental methods for designing and implementing algorithms
- Researched how to effectively analyze algorithms for efficiency

Data Analytics, R

- Learned the computational methods of data analysis
- Emphasis on understanding the biases and ethical implications of using computational techniques
- Studied, designed and implemented analytics software
- Learned how to extract knowledge from financial, political, and scientific sources of data

RELEVANT EXPERIENCE

Technical Assistant, Allegheny County Treasurer's Office, *Pittsburgh, PA*
(IT/Computer Services Department)

May 2019 - August 2019

- Assisted in managing the Treasurer's Office WordPress website by regularly updating content
- Gained practical experience involving computer hardware and software setup including an online chat program to assist community members when filing taxes
- Provided daily support for computer network users throughout the Treasurer's Office

Office Assistant, Allegheny County Treasurer's Office, *Pittsburgh, PA*
(License Department)

May 2018 - August 2018

- Learned the daily business practices and functions of a multi-faceted government office
- Developed useful job skills working with customer service assisting taxpayers with situations encountered while using the services of the Treasurer's Office

WORK EXPERIENCE

Cafe Associate, Panera Bread, *Pittsburgh, PA*

October 2015 - May 2018

- Trained newly hired associates on dining room maintenance, dishwashing procedures, and line cook responsibilities
- Assisted with restaurant upkeep including cleaning dining areas and washing dishes

Recreation Counselor, Scott Township Park, *Pittsburgh, PA*

June - July 2015-2017

- Responsible for 18 active 1st & 2nd grade boys and supervised two student volunteers
- Organized daily activities for children in my group and helped plan weekly camp-wide events
- Learned to diplomatically communicate to parents about their child's behavior

LEADERSHIP AND SERVICE

Messenger/Health and Wellness Chair, Phi Kappa Psi, *Allegheny College*

November 2018 - Present

- Assist Executive Board members in disseminating relevant information to chapter members
- Responsible for the physical/mental health and wellbeing of the members of the chapter by regularly checking in with members and providing information on campus health and wellness resources
- Participate in fundraising efforts for St. James Haven, a local men's shelter

Senior Member, Alpha Phi Omega, *Allegheny College*

November 2018 - Present

- Complete a minimum of 15 hours of community service per semester
- Regularly attend community "Service Saturdays" which are devoted to assisting the people of Meadville

Treasurer, Allegheny Club Soccer Team, *Allegheny College*

August 2018 - May 2019

- Communicated with administration and obtained increased funding for upgraded soccer equipment
- Assisted in planning and organizing team practices by developing drill schedules and assigning members to practice teams

3rd Degree Black Belt in Taekwondo, Steel City ATA, *Pittsburgh, PA*

February 2005 - November 2014

- Developed discipline and leadership skills through rigorous physical and mental training
- As member of junior leadership program - assisted instructors and led classes of younger students