***Ryan Zurrin***

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***Education***

University of Massachusetts Boston, Boston, MA May 2023

*Bachelor of Science: Computer Science, GPA: 3.86*

Berkshire Community College, Pittsfield, MA Aug 2020

*Associates of Science: Computer Information Systems / Computer Science GPA: 3.7*

* *Certificate in Computer Programming – Technical* May 2020

***Relevant Coursework***

* Programming in Java I & II
* Programming in C
* Programming in C++ I & II
* Introduction to Algorithms
* Intermediate Computing with Algorithms
* Digital Circuits
* Data Structures
* Calculus, Discrete Math, Linear Algebra
* Web Design
* IT Essentials

***Technical Skills***

* **Platforms:** Windows 3.1 - 11, Linux, UNIX, Raspberry Pi, Arduino
* **Languages:** Java (SE8 – SE11), C99 – C11, C++98 – C++20, Python 3+, HTML5, CSS3, MATLAB (R2021a)
* **Skills:** Object-Oriented Programming, Algorithm Analysis, Web Design, WordPress, Googling
* **Development Tools:** Visual Studio/Code, PyCharm, Sublime Text, IntelliJ, Terminal, Vim, MultiSIM, NetBeans, Eclipse, Git
* **Software:** Microsoft Office360 Suite, Google (Steets, Slides, Docs, Drive, Teachable Machines), DataRobot, GIMP, Autodesk Fusion360

***Project Experience***

Berkshire Community College, Pittsfield MA

***Design and build a website*** Sep. 2018 -2021

* Created GitHub account to manage all websites and coding projects.
* Integrated a third-party application for managing comments on my webpage.

# Group Project to design different card games Apr. 2021

* Developed a playable card game program using C++, incorporating use of Abstract Data Type’s, and Data Structure’s.
* Coordinated several games into one menu-based game, allowing a user to select the game to play.
* Worked together using a GitHub repository and maintained close communication with team throughout the project.

***Command line vector and triangle calculator*** Mar. 2020

* Devised 2D, 3D vectors, and triangle classes to allow for vector operations as well as the ability to solve triangles.
* Implemented a client program that allowed users to work with vectors and generate triangle data.

***Work Experience***

Freelance Web Design Jan. 2020 – Present

***Website Administrator***

* Designed, built, and maintain a website for local business [Berkshire Builders 623.](https://www.berkshirebuilders623.com/)
* Produced a website to allow group members to register and purchase tickets for events and concerts. Integrated Eventbrite into site for ticket management and used WordPress as the CMS.
* Constructed tracking and scoring system used in the first annual Great Berkshire Scavenger Hunt.

Norman Rockwell Museum, Stockbridge, MA Jun. 2021 – Aug. 2021

***Technology Intern***

* Coordinated over 40 computers and mobile devices for digital experiences, including inventory and repairs.
* Wired the museum, beta-testing virtual exhibitions and setting up bug tracking software.
* Set-up and break-down A/V, 6 laptops, wireless microphones, and lightening equipment used for hybrid public/online programs each week.

Berkshire Community College, Pittsfield, MA Jan. 2018 – Apr. 2020

***IT Assistant | Computer Lab Assistant | STEM mentor | Tutor***

* Set-up campus computers for over 1000 staff and students, kept systems updated, and safe.
* Helped students navigate the school’s technology and offered advice and tips.
* Mentored new STEM students and tutored for Digital Circuits and IT Essentials class.

***Awards and Memberships***

* Dean’s List – High Honors Awards Spring 2019, Fall 2019, Spring 2021
* CIS Program Award Spring 2021
* Joseph H. Smith Jr. ’45 Award Spring 2021
* Robotics Club Sep. 2018 – Apr. 2020
* Phi Theta Kappa, Communications Officer Spring and Fall, 2019