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| **Zachary Perlmutter** | | |
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***Education***

**Master of Science in Computer Science** *Dec 2021*

University of Massachusetts, Lowell, MA

Concentration in Artificial Intelligence and Machine Learning

**Bachelor of Science: Computer Science** *May 2020*

University of Massachusetts, Lowell, MA

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***Qualifications/ Skills***

**Programming Languages:** C/C++, Assembly, Java, Python, Swift

**Software/Version Control:** GitHub, MS Office, Glpi, Replicon, Jira, Git, Slack, Active Directory, OpenCV

**Operating Systems:**  Unix/Linux, Mac OS/iOS, Windows/Windows Server 2012

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***Experience***

**Astronics Test Systems / IT Support Specialist (Westford, MA)** June 2019 – Present

* Maintaining servers, domain, and AD for users
* Managing timesheets and project tasks for 90+ users
* Diagnosing hardware/software issues measured by Jira

**Red Heat Tavern / Server (Bedford, MA)**Dec 2015 – Present

* Providing excellent service to guests and families while developing strong communication from waiting on over 8 tables at one time
* Demonstrating great time management between taking orders, serving food and beverages, cleaning tables, and other side work

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***Projects***

**Guitar Hero** March 2019

* Implemented a guitar string class that generates randomly signed 16-bit integers to simulate the sound of white noise and then mapped specific keys to different samples in the ring buffer
* Created a private member variable that stores the address for each ring buffer so I could change the values in each ring buffer for different strings
* I learned how to take sound data and convert it into sound through the SFML libraries

**Airport Simulation** May 2019

* Created a program that handles processes and threads when run concurrently
* Implemented mutex locks to handle which processes can enter a critical region at a certain time
* Condition variables were used with the mutex locks to check different states

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***Honors and Awards***

**Deans List**

* 2020 Spring
* 2019 Fall
* 2019 Spring

**Phi Theta Kappa National Honors Society** Oct 2016

* Accepted for great academic GPA for two-year colleges

**Comcast Leaders and Achievers Scholarship** May 2015

* Received for outstanding academic achievement and extensive community service