	Work Experience	
Sep 2021 - Present	<ul> <li>Software Engineer, HaptX Inc., Redmond, WA.</li> <li>Writing C++ API and plugin code supporting HaptX Gloves G1.</li> <li>Improving plugins for Unreal Engine 4 and Unity with a focus on enhancing interactions and animations.</li> <li>Developing nodes to support ROS 1 and 2.</li> </ul>	
Aug - Nov 2022	<ul> <li>UI Engineer, Tangible Research, Redmond, WA.</li> <li>Competed in the ANA Avatar XPrize competition with a team of 5 engineers.</li> <li>Wrote a plugin for OdenVR's Voysys VR streaming application which created various pieces of interactable UI that connected to ROS.</li> <li>Resulted in a smooth user experience on a powerful and flexible telerobot.</li> </ul>	
May - Aug 2021	<ul> <li>Fellow, WPI IDeaS Studio, Worcester, MA.</li> <li>O Developed an app to teach students about free body diagrams using Unity.</li> <li>Created a sitemap and recommendation list for how to improve the Jazz History Database website.</li> </ul>	
May - Aug 2019	<ul> <li>Senior Student Intern, AMICA Mutual Insurance, Lincoln, RI.</li> <li>Created a database interface alongside another intern that displayed metadata about distributed jobs running on company's mainframe.</li> <li>Learned ReactJS to modify the existing Neo4j interface.</li> </ul>	
	Education	
2017 - 2021	<b>Computer Science (CS) + Interactive Media &amp; Game Development (IMGE</b> <i>Worcester Polytechnic Institute (WPI).</i>	
	Programming Skills	
Proficient Languages:	C++, C#, Rust, C	Databases: SQL, Neo4j, MongoDB
Familiar Languages:	JavaScript, Python, Java	Cloud: AWS, S3
Version Control:	Git, GitHub, Perforce	OS: Ubuntu, Windows
Game Engines:	Unity, Unreal Engine	Other: ROS, React, HTML, LaTeX
	Projects	
Aug 2020 - Jun 2021	<ul> <li>Gameplay Programmer &amp; Audio Engineer, Factory Reset (WPI).</li> <li>Won WPI's Provost Award for the best Major Qualifying Project in the IMGD department.</li> <li>Worked in a team of 4 designing a 3D first-person puzzle game focused on accessibility.</li> <li>Implemented core gameplay systems and accessibility settings.</li> <li>Composed 2 music tracks and created 15+ unique sound effects.</li> <li>Shipped Factory Reset for free on itch.io.</li> </ul>	
Oct - Dec 2019	<ul> <li>Front End Programmer, Star Trek Mashup (WPI).</li> <li>Worked in a team of 4 designing and implementing a cloud-based application using AWS to upload and combine Star-Trek clips.</li> <li>Developed an API for interaction with the app's backend.</li> <li>Produced an app that fulfilled assignment specifications and utilized a variety of AWS's features.</li> </ul>	
Dec 2019	<ul> <li>Lead Designer, Dungeons and Dragonflies (WPI).</li> <li>Worked with a teammate to create a game with a procedurally generated map.</li> <li>Designed and implemented creation of random maps using the Dragonfly engine.</li> <li>Resulted in a game that fulfilled its original design and was well received by classmate</li> </ul>	
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