

- Profile** Ashwin is a Certified Java Developer with award winning games and 8+ years of Java experience, having graduated with an Integrated Masters in Game Development. He has independently presented at the Wolfram Technology Conference. He seeks to obtain a job in Software Engineering with a special interest in backend programming, tool creation, and database application development.
- Skills**
- | Programming Languages  | Software / Other   |
|--|--|
| <ul style="list-style-type: none"> <li>• Java</li> <li>• C#</li> <li>• C</li> <li>• C++</li> <li>• Python</li> </ul> | <ul style="list-style-type: none"> <li>• HTML5</li> <li>• PHP</li> <li>• JavaScript</li> <li>• Node.JS</li> <li>• MySQL</li> <li>• SQLite</li> <li>• Unity</li> <li>• Eclipse</li> <li>• Visual Studio</li> <li>• Git</li> <li>• ASM</li> <li>• Gradle</li> <li>• Apache</li> <li>• Magento</li> <li>• Salesforce</li> <li>• GIMP</li> <li>• Bash / SH</li> <li>• Linux</li> </ul> |
- Featured Projects**
- **The Gristmill:** Award-winning turn-based strategy card game, Graduate Capstone.
 

<p><b>Tools / Skills:</b></p> <ul style="list-style-type: none"> <li>• Unity (C#)</li> <li>• SQLite</li> <li>• Database Design</li> <li>• Agile Workflow</li> <li>• Git (Gitflow @ Github)</li> <li>• Shell Scripting</li> </ul>	<p><b>Presented At:</b></p> <ul style="list-style-type: none"> <li>• MAGIC Spell Studios' Grand Opening</li> <li>• Game Developers Conference 2019</li> <li>• Imagine RIT 2019</li> <li>• RPI Game Fest 2019               <ul style="list-style-type: none"> <li>○ Technical Excellence Award</li> </ul> </li> <li>• BostonFIG 2019               <ul style="list-style-type: none"> <li>○ Best Student Game</li> <li>○ Best In Show</li> </ul> </li> </ul>
--	--
  - **Project: Terracore:** Proof of Concept Sci-fi MMO showcased in the IGM gallery.
 

<p><b>Tools / Skills:</b></p> <ul style="list-style-type: none"> <li>• Unity (C#)</li> <li>• MongoDB</li> <li>• MySQL</li> <li>• Git (Github)</li> </ul>	<p><b>Implemented:</b></p> <ul style="list-style-type: none"> <li>• Entity Spawns</li> <li>• Drop Tables</li> <li>• Combat Design</li> <li>• Save State</li> </ul>
--	--
  - **Webcraft 2:** Interactive multiplayer browser-based *Minecraft*-esque experience.
 

<p><b>Tools / Skills:</b></p> <ul style="list-style-type: none"> <li>• WebGL 1.0 / 2.0</li> <li>• Node.JS</li> <li>• Heroku</li> </ul>	<p><b>Implemented:</b></p> <ul style="list-style-type: none"> <li>• Original Project: World Generation</li> <li>• Converted to Multiplayer on Heroku</li> <li>• Improved original rendering engine</li> </ul>
--	---
  - **Riffraft:** Interactive learning tool for teaching programming to non-tech majors.
 

<p><b>Tools / Skills:</b></p> <ul style="list-style-type: none"> <li>• Unity (C#)</li> <li>• Wolfram Mathematica</li> <li>• C++ (Device Integration)</li> </ul>	<p><b>Presented:</b></p> <ul style="list-style-type: none"> <li>• Primary programmer on teacher research project, speaker at the Wolfram Technology Conference 2018</li> </ul>
---	--
  - **Planar Exodus 2:** Integrated modpack for *Minecraft*, active player base of 30+.
 

<p><b>Tools / Skills:</b></p> <ul style="list-style-type: none"> <li>• Java 8</li> <li>• Apache Commons</li> <li>• ASM</li> <li>• NeTTY</li> <li>• LWJGL / OpenGL 4.6</li> </ul>	<p><b>Implemented:</b></p> <ul style="list-style-type: none"> <li>• Custom configuration tools</li> <li>• Wrangle 100+ mods into cohesion</li> <li>• Runtime bytecode manipulation</li> <li>• Design schema for game balance</li> <li>• Overhaul existing functionality</li> </ul>
--	--

<b>Education</b>	<b>Integrated Masters of Science in Game Design and Development</b> Magna Cum Laude, <i>Rochester Institute of Technology</i>	<b>Graduation Date:</b> May 2019
<b>Certification</b>	<b>Oracle Certified Associate, Java SE 7 Programmer</b>	<b>Achieved:</b> October 2012
<b>Experience</b>	<b>Rochester Institute of Technology</b> <b>Teacher's Assistant, DSA2, IMD, IIM</b>	<b>Rochester, NY</b> <b>August 2017-May 2019</b>
	<ul style="list-style-type: none"> <li>Guided class in completing assignments; lectured and presented to class. Graded all assignments. Designed scripts to ease grading. Classes included first year design, second year programming, and final required programming course.</li> </ul>	
	<b>Global Thinking</b> <b>Software Engineer, Intern</b>	<b>Alexandria, VA</b> <b>January-August 2016</b>
	<ul style="list-style-type: none"> <li>Worked with Magento creating features and patching bugs; created custom tools for solving internal issues and challenges; implemented features for Salesforce document creation to help expedite workflow of other teams and sectors.</li> </ul>	
	<b>CompSciPrep LLC</b> <b>Lead Intern</b>	<b>Chantilly, VA</b> <b>June-August 2015</b>
	<ul style="list-style-type: none"> <li>Designed backend of a Reminder SaaS designed for phone and email; placed calls for hiring. Taught Game Design classes to middle school students.</li> </ul>	
	<b>TJHSST</b> <b>Student Systems Administrator</b>	<b>Alexandria, VA</b> <b>2010-2014</b>
	<ul style="list-style-type: none"> <li>Managed Apache Tomcat web servers, Kerberos user accounts, and maintained Gentoo Linux computer systems lab for general and senior research use; Managed requisition orders, conducted hardware maintenance, and served as general user advisor and "help desk" attendant.</li> </ul>	
<b>Volunteer</b>	<b>SSVT Temple Kitchens</b> <b>Volunteer</b>	<b>Lanham, MD</b> <b>2017-Present</b>
	Helps staff the till, as well as prepare and serve the food at the community kitchens on free weekends.	
	<b>Tutoring (High School / College)</b>	<b>Rochester, NY and Herndon, VA</b> <b>2012-2019</b>
	Taught Java and/or class topics to various students, during both high school and college, based on student request.	
	<b>Camp Invention</b> <b>Leadership Intern (Counselor)</b>	<b>Oakton ES Branch, Oakton, VA</b> <b>July, 2012-2015</b>
	Managed grades 4-6; provided suggestions, challenges, and general help; Teacher assistant with technical topics such as game theory or internal hardware.	
<b>Contact</b>	<b>Portfolio:</b> <a href="https://serakos.org/ash/">https://serakos.org/ash/</a>	
	<b>Linkedin:</b> <a href="https://www.linkedin.com/in/ashwinvganapathiraju">https://www.linkedin.com/in/ashwinvganapathiraju</a>	
	<b>Bitbucket:</b> <a href="https://bitbucket.org/ashtheking/">https://bitbucket.org/ashtheking/</a>	
	<b>Github:</b> <a href="https://github.com/axg3886">https://github.com/axg3886</a>	