

Rishi Rallapalli

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GAME PROJECTS

Heart Heist

Scripter, Designer, 3D Artist

Jan 2022 – present

- **3D Metal Gear Solid-inspired game project working alongside professional AAA game developers**
- Designed and implemented gameplay features using **C#**
- Created and implemented **3D environment art assets** using **Blender 3.0**

Death Tennis

Co-Creator, Programmer, Game Designer, AI Engineer, Sound Designer

Jun 2019 – Oct 2020

- Released 2D Super Smash Bros.-like **fighting game** built on **GameMaker Studio 2 engine** in October on Itch.io
- Designed and programmed **mechanics, utility-based AI, physics, animation states, shaders, and audio controller** from scratch in **GML**
- Supervised level design and development of all art assets

Minecraft Server on Raspberry Pi

Creator, Host

March 2020

- When the pandemic started and my friends and I could no longer see each other, I implemented a Unix Minecraft server on a Raspberry Pi that runs 24/7 while drawing minimal power so my friends could socialize
- My classmates frequently logged in to chat, play, and hold birthday parties on the server all while safely quarantined
- I regularly maintained and supported an active player base throughout the pandemic on the server

EDUCATION

University of Michigan | Ann Arbor, MI

College of Engineering – B.S.E. in Computer Science

Aug 2021 – present

College of LSA – Minor in Japanese

GPA 3.863

Relevant Coursework: *Data Structures & Algorithms, Discrete Math, Robotics*

SKILLS

AI: Experienced in designing and implementing utility agents for fast-paced action games and card games

Programming Languages: C++ / C# / GML / Python

Game Development: Experienced in game, systems, and level design as well as design documentation

Web Development: Experienced making web pages and apps using HTML, CSS, and React Native

3D Modeling: Experienced in creating environments and 3D assets in Blender

Japanese: 6+ years of studying Japanese language and culture and studied abroad in Japan for 6 weeks under a scholarship sponsored by the Japanese government