Mahi Pasarkar

Website: https://mahi-pas.github.io/ | E-mail: pasarkarmahi@gmail.com
https://github.com/mahi-pas | https://www.linkedin.com/in/mahi-pasarkar/ | https://rainyelephant.itch.io/

Education

Rensselaer Polytechnic Institute | Troy, NY   Aug 2020 - May 2024
Bachelor of Science in Computer Science and Games and Simulation Arts and Sciences   GPA: 3.62
- Achieved Dean's Honors List 2020, 2021, and 2022

Experience

Submitty | Troy, NY   Jan 2023 - Present
Software Developer
- Using PHP, Javascript, Twig, Python, HTML, CSS, and PostgreSQL to develop a website that manages courses for computer science departments of several schools.
- Using PHP, Javascript, and Twig to add a pronouns field to user profile pages.
- Creating migrations in Python to alter fields in the PostgreSQL database in order to store user pronouns.
- Using PHP, Javascript, Twig, and CSS to display pronouns to instructors in relevant areas.

Rainy Elephant Studios | Troy, NY   Dec 2022 - Present
Lead Developer - https://rainyelephant.itch.io/hammer-time
- Developing a 3D open-world first-person platformer with unique movement and hammer-based combat.
- Developed a polished prototype in a week with finished art, music, sound effects, character controller, 3 unique enemies, animations, and a completed gameplay loop.
- Used Unity and C# to create a wave-based spawning system, a grappling hook, a hammer attack, enemy AI, and an upgrade system. Utilized Unity Render Textures to create a pixelated effect.
- Used object-oriented principles and inheritance to create enemy AI, with an enemy class that enemies inherit from, as well as a hittable object class all hittable objects inherit from.

Sanofi | Bridgewater, NJ, Hybrid   Jun 2022 - Present
Intern in Global Regulatory CMC
- Big impact harmonizing product overview documents into one standardized word template to support the lifecycle management of pharmaceutical products.
- Experience with regulatory and quality management standard operating procedures and work practices.
- Creating slide decks and organizing meetings to support the Global Health Unit Project.

Shuttle Tracker | Troy, NY   Jan 2022 - May 2022
Server Developer - https://github.com/wtg/Shuttle-Tracker-Server
- Worked on a large project that serves the campus community by tracking the location of shuttles.
- Implemented analytics endpoints in the server using Swift, JSON, and PostgreSQL.
- Designed solutions for server-end goals, such as receiving and storing analytics data from various front ends and calculating and displaying data quality for bus locations and documented thoroughly on the github wiki.

Skills

Programming Languages: C#, C++, C, Python, GDScript, Java, Swift, JSON, Docker, MIPS Assembly, LaTeX, Prolog, Scheme, Haskell, HTML5, CSS, Javascript, PHP, Twig, PostgreSQL
Software: Unity, Godot, Unreal, Adobe Photoshop, Veeva Vault RIM, Autodesk Maya, Blender, Microsoft Office, Git, Perforce

Activities

- Member of Service Fraternity Alpha Phi Omega
- Member of the National Society of Leadership and Success