

Mahi Pasarkar

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<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

Submittity | Troy, NY

Jan 2023 - Present

Software Developer

- Using PHP, Javascript, Twig, Python, 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.

Rainy Elephant Studios | Troy, NY

Dec 2022 - Present

Lead Game Developer - <https://rainyelephant.itch.io/hammer-time>

- Developing a 3D open-world first-person platformer with unique movement and combat mechanics based on a hammer.
- Developed polished prototype in only a week with finished art, music, sound effects, character controller, 3 unique enemies, animations, and 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.
- Generated sound effects, composed music for the game, and created all 3D models.

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 open-source 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