Rohan Maharjan
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Respected Hiring Manager,

I am excited to be applying for the Software Developer Intern position for Unity. I am currently a Junior majoring in Computer Science from the University of Louisiana Monroe. I have more than two years of experience developing 3D virtual and augmented reality applications using cutting-edge game engines and technologies. I am a creative and confident developer, fast learner with a passion to excel in the field of AR and VR. Furthermore, I have a strong background in Java programming and web development.

I am working as a Web Developer Intern in the Emerging Scholar Program for the University of Louisiana Monroe. During my internship, I have created several web pages using HTML, CSS, JavaScript and PHP. Among all my work, phage visualization tool is the most important web tool that I have developed so far. It helps phage researchers find a cure for tuberculosis by helping them visualize complex data that would be difficult to understand without a visualization tool. I developed and designed MySQL databases to store and retrieve millions of phage data for the tool. I am interested in not only web development but also emerging technologies like virtual reality and augmented reality.

Recently, I have been doing research in augmented reality to leverage its application in education. For this purpose, I have developed an interactive augmented reality application using Unity for the university museum which gave visitors an innovative way to learn about the artifacts displayed in the museum. The application allowed users to interact with 3D models of the artifacts and view an informational video on that item which is rendered in 3D space. I used the Vuforia engine for advanced image recognition and database management. I was able to use both the Vuforia cloud database as well as the device database for storing the 3D models and integrated it in the Unity for application development. I am eager to learn more to continue developing my skills.

Thank you for reviewing my background in consideration for your internship opportunity. I would be encouraged to have the opportunity to set up a meeting with you to discuss more details of my coursework, prior internship, and other experiences. You can reach me out at 318-538-9201.

Thank you again,
Rohan Maharjan