

Dear Hiring Manager,

I recently saw your job postings on your website for **Software Developer Intern**. I meet the standard for this job as I am pursuing a degree in Software Engineering at University of Ottawa, however my experience with innovation and problem-solving help exceed expectations.

Given my strong interest in software development, I enjoy tinkering with dev projects in my spare time. My very first project was a game, "Invasion of the Shadows", an RPG that I created to primarily explore the fundamentals of game development leveraging Unity's game engine and its ability to develop complex visuals and animations seamlessly. You can download and try out the game yourself here: <https://goo.gl/cMYjaL>

Furthermore, my experience with game development has allowed me to foster a genuine understanding of user interfaces and interactions. The games that I have created all went through extensive testing with gamers, where I received feedback on what to change to help my game appeal to larger audiences. I consider this awareness of user needs to be vital in designing a successful product.

Personal attributes that I believe make me suitable for this position include:

- **Fast Learner:** I hacked together a Python Search Engine in less than a month. The search engine used a web crawler to build an index of pages, and a page-rank algorithm to determine the best result. This undertaking was certainly rewarding as it compelled me to prioritize my time and be scrappy. You can view it here: <https://goo.gl/ktdSfv>
- **Creativity:** When developing the Unity game mentioned above, I used a timeline structure, where the player would travel from one civilization to another, fighting-off aliens while also learning about the ancient civilizations of our planet. By using this approach, I ensured that the game was not only fun but also educational for the player.

Additionally, I have interned at a consultancy company, Astral Tech, where I used SQL Server to help analyze client data. I successfully implemented an algorithm that efficiently took Excel sheets provided by the client, uploaded it into usable format for SQL and allocated data into tables to help provide vital insight into the analysed data. Before the implementation of the algorithm, the process took approximately 20 hours, and now it takes less than 20 minutes.

Overall, I believe that my background in software development makes me an ideal candidate. I am extremely keen to develop my software skills and look forward to discussing my application with you in person. You can contact me anytime by calling +1 647-281-1228 or emailing me at hrithikchamp@gmail.com.

Thank you for considering my application,

Hrithik Shah