

January 3, 2017

Dear Tracy Fu,

This letter is to express my interest in bringing my enthusiasm and computer science knowledge to Firefly for a summer engineering intern position. I am currently a Computer Science and Computer Engineering student at the University of Southern California. I know that my collaborative skills, practical experience, academic accomplishments, and enthusiasm for computer science would make me a strong addition to Firefly.

I have a immense passion for computer science. Ever since elementary school, even though my school did not offer any programming courses, I would take it upon myself to find opportunities throughout the year to further my knowledge. Since then, I have always wanted to develop software for games. I joined USC's Corpus Callosum club to find like-minded engineers who want to embark on a semester-long project with a close-knit group. I was my team's project leader, in which we created a virtual reality game in Unity with C# that let users visualize famous poems in various ways. Through this, I learned how to effectively manage others by recognizing their individual strengths and placing them in the correct position consistent with their abilities

This enthusiasm for computer science also extends to my personal projects. I have experience in C# and Unity for creating each aspect of my own games. I take great enjoyment from creating new ideas from scratch and then mentally organizing the project into each of its individual parts. I have experience with programming the UI, shaders, and game mechanics. My favorite personal project was creating a two-player combat game. Each round, both players select their own abilities, weapons, and spells for the upcoming battle. The challenge is not only in the shooting mechanics, but also in selecting the correct ability set to counter the opponent. I take care to make every part of my code modular and robust so that my code is more understandable and easily altered for design purposes. I also programmed specialized tools within Unity to make my own game development process more streamlined.

My experience and education have given me the knowledge necessary to flourish in your engineering internship opportunity. I am passionate about computer science and the opportunity to work for Firefly. I appreciate the opportunity to be considered and look forward to discussing my application in person.

Sincerely,
Oliver Eisenberg
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