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Senior Software Engineer, USD

[APPLY NOW](#)[Apply Later](#)**Job ID:** R-03661**Location:** Emeryville, California, United States**Business:** Pixar Animation Studios**Date posted:** Aug. 02, 2023

Job Summary:

Our Software R&D team is responsible for developing Pixar's in-house and open-source software. Working with both artists and engineers, we build innovative filmmaking tools that enable our film production and continuously extend artistic reach. Universal Scene Description (USD) is Pixar's open-source, high-performance, extensible software framework for collaboratively constructing and exchanging large-scale 3D scenes. We are looking for a Senior Software Engineer to join the team that develops and maintains USD. You will collaborate with us in a multi-functional team to extend the feature set and improve the performance of this important piece of our filmmaking pipeline. Are you enthusiastic about software architecture and API design? Do you love writing scalable and high-quality C++ code? If so, we would love to have you on the team!

RESPONSIBILITIES:

- Contribute to Universal Scene Description (USD), an open-source software framework for asset interchange and collaborative editing that forms the backbone of Pixar's filmmaking pipeline, and is used widely across various industries
- Further integrate USD into Pixar's custom toolset of 3D content creation applications, and help evolve its growing feature set while improving performance and scalability
- Take ownership of challenging problems that arise from evolving the architecture of software that is heavily exercised in an active production environment
- Collaborate with artists and other engineers to provide innovative technical solutions that extend our artistic and engineering reach
- Join forces with external partners as USD continues to redefine pipelines across industries, bringing new contributors and collaborators to the table

QUALIFICATIONS:

- Start with a strong understanding of C++ that you continually expand upon. Have an understanding of modern C++ and experience with the STL
- Be ready to navigate a large code base with many active contributors

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and remains malleable to an ever

ple code, providing good

documentation and embracing automated testing

- Build software holistically: From planning and proposal to implementation, testing, optimization and deployment
- Have the ability to listen well, and communicate clearly
- Thrive in a collaborative and diverse environment where you exchange knowledge with accomplished technicians and draw inspiration from world-class artists
- Four or more years of professional experience, and a degree in Computer Science (or equivalent education)

The hiring range for this position in Emeryville is \$158,185.00 to \$204,710.00 per year. The base pay actually offered will take into account internal equity and also may vary depending on the candidate's geographic region, job-related knowledge, skills, and experience among other factors.

About Pixar Animation Studios:

Pixar Animation Studios, a wholly owned subsidiary of The Walt Disney Company, is an Academy Award®-winning film studio with world-renowned technical, creative and production capabilities in the art of computer animation. The Northern California studio has created some of the most successful and beloved animated films of all time, including "Toy Story," "Monsters, Inc.," "Cars," "The Incredibles," "Ratatouille," "WALL•E," "Up," "Toy Story 3," "Brave," "Inside Out," and "Coco." Its movies have won 35 Academy Awards® and have grossed more than \$13 billion at the worldwide box office to date.

About The Walt Disney Company:

The Walt Disney Company, together with its subsidiaries and affiliates, is a leading diversified international family entertainment and media enterprise with the following business segments: Disney Entertainment, ESPN, Disney Parks, and Experiences and Products. From humble beginnings as a cartoon studio in the 1920s to its preeminent name in the entertainment industry today, Disney proudly continues its legacy of creating world-class stories and experiences for every member of the family. Disney's stories, characters and experiences reach consumers and guests from every corner of the globe. With operations in more than 40 countries, our employees and cast members work together to create entertainment experiences that are both universally and locally cherished.

This position is with Pixar Inc., which is part of a business segment we call Pixar Animation Studios.

Pixar Inc. is an equal opportunity employer. Applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, sexual orientation, gender identity, disability or protected veteran status. Disney fosters a business culture where ideas and decisions from all people help us grow, innovate, create the best stories and be relevant in a rapidly changing world.

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Emeryville, California, United States

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