

## Company Recruitment Team

July 13, 2019

ADDEPAR INC

NEW YORK, NY

## Job Application for Software Engineer

Dear Sir or Madam,

## About Me

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Currently I work as an R&D Engineer in high performance computing and visualization group at Kitware. For the past three years I've been working on several open source projects. Most recently, I'm working on a library which is a visualization and computation tool kit for multi/ many core architectures for the next generation supercomputers. I implemented several parallel algorithms in it, refactoring the test infrastructure so that the binary size is reduced by 75% and modernize its code base. Meanwhile, I worked on another data I/O framework. I extended the CMake support for google testing module and implemented a generic parallel reader which can read data locally and on remote server. In the past, I also architected a nuclear simulation tool kit which allows scientists to model a nuclear core from scratch and run simulations, meshings and visualize the output.

## Why Addepar?

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The reason why I want to apply for this position at Addepar is that I'm attracted by the company's mission. What Addepar is doing can and will have a huge impact on improving the efficiency of allocation capital and mitigation of risk in global financial system. It's trying to transform the industry with better technologies and innovative ideas. What I value most in my career also is to have a positive impact on the world while keeping a thirst for knowledge. They do match with Addepar's goal pretty well. And I believe my expertise and successful professional records will help Addepar to succeed.

Thanks for the reading.

Best regards,

**Haocheng LIU**