

Bredgatan 24C
Lund
Sweden

February 13, 2017

ARM Sweden
Emdalavgen 6
Lund
Sweden

Dear Sir or Madam:

Firstly, thank you for considering my application to your intern program. I was almost starstruck when I realized that the ARM that was popping up on my LU career page was **the** ARM. I originally did not intend to apply to any jobs this summer, as my own projects have been more enticing than the jobs I have found, but this was certainly an exception. I am exited with the prospect of spending this summer learning and creating software in the ARM Media Processing Group.

The description of the position seemed to fit both my strengths and passions. Thinking through complex, abstract problems is more or less all we do studying the inner workings of nature at the physics department. But also the passion that I have developed under the last couple of years, software development.

Although physics is stimulating, it can not consume me like the feeling of being able to control the power of computations. I have studied programming in my physics degree, but most of my knowledge I have acquired myself. Initially by reading *c++ direkt* by Jan Skansholm cover to cover and then doing projects on the side of my studies. It is not only writing working code that entice me but the art of creating software that is maintainable and re-usable in different contexts.

At the ARM Media Group I hope to contribute with my strong mathematical background and passion for software, and build on key skills for my future studies and career. I prefer a summer position so that I can focus my entire attention to the work. But I do not categorically reject other possibilities.

Yours Faithfully,

Emil Johansson