

## Internships Available

Second Derivatives Hedge Fund Inc. is actively recruiting talented university seniors in the Mathematical Sciences for an intern program. Special consideration will be given to students majoring in Mathematics, Computer Science, Statistics, or Mathematics Education. Applicants should send a one-page letter of application that includes a brief description of their background in the Mathematical Sciences and describes some of their professional and technical skills. Technical details of an applicant's accomplishments may be included in the letter. Letters should be received by Monday 21 April, 2003.

Address all correspondence to:  
Department of Human Resources,  
Suite 417 SEO  
Second Derivatives Hedge Fund Inc.  
851 South Morgan  
Chicago IL, 60607

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### Math 300 writing project: Letter of Application

In this project you will write a letter of application for the job advertised above. Hand in your typed letter in class on **Monday 21 April**. Your response to this assignment should be two pages long. The first page is the actual letter of application stating what job you are applying for. It should include a brief paragraph indicating your special qualifications for the job. For example, you might write:

“For a project in an Applied Geometry course I used properties of the harmonic series  $\sum_{k=1}^{\infty} 1/k$  and of the geometric series  $\sum_{k=0}^{\infty} 1/(2^k)$  to solve packing and stacking problems involving infinite sets of geometric objects. I devised a rectangular parallelepiped for use by the toy company Blocks Unlimited to pack one of their popular sets of blocks.”

The second page should be a brief curriculum vita listing your educational background and relevant job experience. If you choose to write an application for another job (either an imaginary one that better fits your own background) or something you are preparing for this summer, that is fine. But the points mentioned above must still be included.