

# Grow Your Knowledge

Consider AO

**IMMEDIATE  
JOB  
OPENINGS**

## Open Positions:



- Scientific Programmer
- Computer Scientist
- Computer and Electrical Engineer
- Telescope Operator

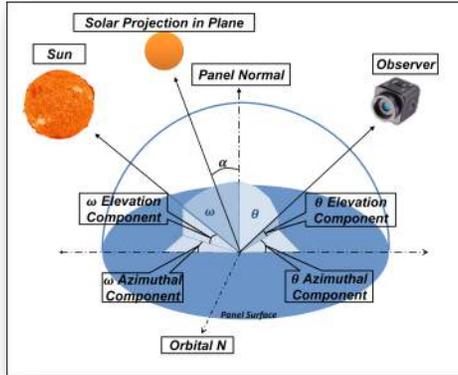
We are a growing organization. Visit our website for additional updates on positions available. U.S. Citizenship or Green Card is required.

*"When I hired on at AO, I wanted to pursue my masters. Dr. Chaudhary told me that school comes first and he would work with me around my school schedule. He has lived up to that promise."*

University of Dayton grad

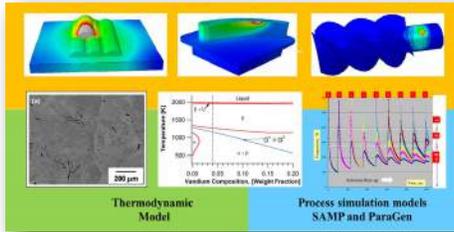
*"Until joining AO, I thought I would only be able to pursue my love for space as an avocation. Now I not only can combine my computer engineering background with space, but I am going to secure my master's degree in aerospace engineering."*

Wright State University grad



### Space Situational Awareness

In space situational awareness, we develop algorithms for the control of optical equipment and the collection, reduction and analysis of brightness data for astronomical objects.



### Mathematical Modeling

In mathematical modeling, we develop algorithms for the control of materials processing equipment, and the collection, reduction and analysis of materials data for structural and engineering components.

**AO Applied Optimization**

*The Right Balance of Non-Conformity & Critical Thinking*

**Applied Optimization, Inc.**

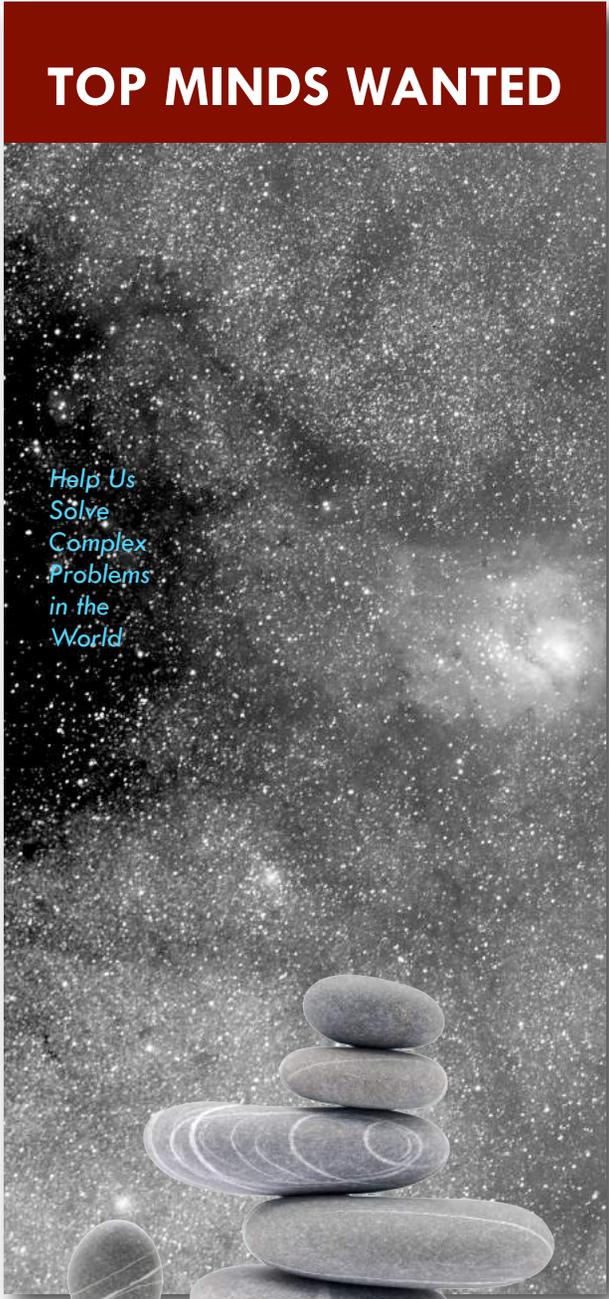
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## Do You Want to Make a Difference in the World? Perhaps Change the World?

Do you...feel alone in a sea of shallow ideas?

**PASSION**

Do you...have a passion for math, science or algorithms?

**ACADEMICS**

Do you...have a proficiency in managing resources?

**PROFICIENCY**

**CREATIVITY**

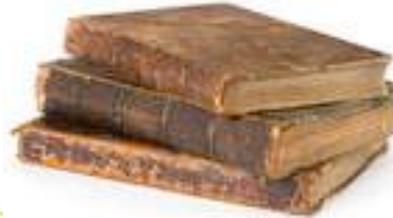
Do you...possess the ability to solve problems creatively?

**INTEGRITY**

Do you...consider integrity a personal choice?

## We Seek Out Complex Problems to Solve at

United States Air Force  
National Air and Space Intelligence Agency  
Defense Advanced Research Projects Agency  
United States Navy  
NASA



## The THREE Books... my Venture Capital

Anil Chaudhary, Sc.D., Founder of Applied Optimization, Inc.

**Dr. Chaudhary, tell us a little about how Applied Optimization got started?**

*"When I was in college, my favorite professor told me that you do not need to study a stack of books to be learned, but to know three books very well. I took that advice to heart and realized that not only was it true, but these three books had become my venture capital."*

*I wanted to use this knowledge to optimize manufacturing processes in the auto and aircraft industries. We began with an application that used classical mathematics to solve a new problem. It almost worked like magic and created faith that we could do this again and again."*

**Are you just as excited about science and math as you were when you were a young student at MIT?**

*"Mathematics and science are as beautiful as the trees and the oceans. A thing of beauty is joy forever. And MIT, it was only yesterday."*



**OUR MISSION**

*To Work Collaboratively to Change the World*

Our mission is working collaboratively to change the world. We are professionals who want to make a difference in a dynamic, rigorous environment where technical discovery is a daily pursuit.



*"Two roads diverged in a wood, and I took the one less traveled by, And that has made all the difference."*

- Robert Frost  
American Poet