



**CALIFORNIA STATE SCIENCE FAIR  
2002 PROJECT SUMMARY**

<b>Name(s)</b> <b>Jace K. Priester</b>	<b>Project Number</b> <b>S1215</b>
<b>Project Title</b> <b>InSight: Engineering Real World Solutions to PC Organizational Problems</b>	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b> My project, entitled InSight, is a suite of three computer programs, each solving a common PC organizational problem area. InSync was created to solve the problems of keeping files synchronized between multiple computers, updating and backing up files, and cloning hard drives. DeskTab's purpose is to organize the desktop by allowing the creation of multiple, custom desktops. Axx was designed to split large files into multiple pieces, each small enough to fit on a disk such as a floppy, and then reassemble the pieces when they have reached their destination.</p> <p><b>Methods/Materials</b> The InSight suite is written for the Windows operating system using the C++ programming language. This allows it to operate quickly and efficiently to complete the complex tasks that it performs. I also found the Windows Application Programming Interfaces (APIs) to be efficient and suited well to InSight. Although it took more time to complete using the APIs instead of the Microsoft Foundation Classes (MFCs), the APIs produced a better end result.</p> <p><b>Results</b> InSight has been tested and found to work on all versions of Windows: 95, 98, NT, 2000, XP, and ME. Testing has shown InSync to operate faster and more reliably than the function provided by Windows. Unlike Windows' Virtual Desktops, DeskTab does not associate each program that is run on the computer with the desktop it was started from. Thus the user can switch between desktops without switching between programs. All programs are easier to use than others on the market. The graphically based, drag-and-drop interface, makes them simple enough for beginning users, yet the programs contain enough advanced options for more experienced and demanding users.</p>	
<b>Summary Statement</b> InSight is a suite of three computer programs, each solving a common PC organizational problem area.	
<b>Help Received</b>	