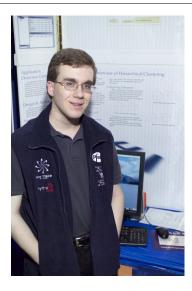




CWSF 2006 - Saguenay, Québec



Justin Reardon

The Hierarchical Clustering System: Finding Similarities in Data Using Hierarchical Clustering

Division: Earth & Environmental Sciences

Category: Senior

Region: Renfrew County **City:** Petawawa, ON

School: Bishop Smith Catholic H.S.

Abstract: This project implemented a computer application for grouping

multidimensional dataset using hierarchical clustering. Datasets containing many dimensions are difficult to analyze using simple mechanisms, like scatterplots, as we cannot visually interpret the data. Computers, however, are not limited by the number of dimensions they can analyze. This allows them to take multidimensional data and construct useful grouping, which

can then be displayed for users.

Awards	Value
The University of Western Ontario Scholarship	\$1 000
Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: University of Western Ontario	
Bronze Medal - Computing & Information Technology - Senior	\$300
Sponsor: Intel of Canada, Ltd.	
Total	\$1 300



