Robert Young, Jordan Chin

Finding f(x) with Genetic Algorithms

Division: Earth & Environmental Sciences / None
Category: Senior
Region: Greater Vancouver
City: Vancouver, BC
School: Vancouver Technical Secondary

Abstract: Given a set of points on a graph, can a computer accurately find a practical mathematical function through the use of a genetic algorithm without any prior knowledge of what function that set of points may resemble?

Biographies

Robert - Born to and raised by Chinese Canadian parents in beautiful Vancouver, BC, I was expected to excel academically and become successful, similar to many Chinese children. However, the route to success and the types of interests to pursue was entirely up to me. Today, I am a self-motivated, confident, and highly adaptive learner and leader. I participate in many school activities including the dragon boat team and volunteer for various community events including day camps while at the same time maintaining a high grade point average, and a deep interest in Science and Technology. Many times I'll find myself reading articles describing new fron...

Jordan - Jordan Chin has been programming on and off for almost as long as he can remember. But before that, he began in the 6th grade, when school felt like it consisted entirely of free time, and he learned basic HTML and JavaScript. Then in the 7th grade, he moved on to bigger and better with C++ (which he is still learning to this day). Although he has been coding for so long, he feels he has not made as much progress as he should have. He blames this on the decreasing amount of free time each year, and is planning to study Computer Science at UBC. He is currently considering entering the gaming industry. Aside from coding, Jordan is also an invol...

Awards	Value
Dalhousie University Faculty of Science Entrance Scholarship Senior Silver Medallist - $2000 Entrance Scholarship Sponsor: Dalhousie University, Faculty of Science	$2 000
UBC Science (Vancouver) Entrance Award Senior Silver Medallist - $2000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	$2 000
The University of Western Ontario Scholarship Silver Medallist - $1500 Entrance Scholarship Sponsor: University of Western Ontario	$1 500
Silver Medal - Computing & Information Technology - Senior Sponsor: Intel of Canada, Ltd.	$700
Total	$6 200