David Williams-King

Developing Codeform: A Syntax Highlighter

Division: Sciences de la terre et de l'environnement / Aucun
Catégorie: Sénior
Région: Calgary Youth
Ville: Bragg Creek, AB
École:

Sommaire: This project created, published, and evaluated codeform, a syntax highlighter. Written in C, codeform has many features including no memory leaks. Codeform has unique clipboard extensions and an online version. Users of codeform have provided feedback, and codeform is even being integrated into a forum. The evaluation tests showed that codeform is more syntactically correct, efficient, and flexible (though less mature) than other syntax highlighters.

Biographie

I am always programming computers; I enjoy astronomical topics; and I read voraciously. I am the unofficial leader of a local computer programming club. I also attend meetings of the Royal Astronomical Society of Canada's Youth Group, and a math/logic group at the University of Calgary. I have written the Waterloo Canadian Computing Competition twice and made the honour roll each time. I have taken two third-level computer programming courses at Athabasca University, COMP307 (C and C++) and COMP308 (Java), achieving an A+ for each. I have entered the Calgary Youth Science Fair twice; both times I won a gold medal and this time I also won the Alberta Research Council Award. I maintain my own website at http://dwks.theprogrammingsite.com/ and I help manage the other sections of the same website. I also very frequently post on a major programming message board, CBoard (http://cboard.cprogramming.com/), where I am eleventh for number of posts and recently ran for moderatorship. I have played the violin for seven years. I also enjoy sports, and currently participate in badminton and soccer. In the winter I frequently go downhill skiing, and skate and play hockey on our lake.

Prix	Valeur
Bourse d'études de l'Université Western Ontario Médaillé de bronze - Bourse de début d'études de 1 000 $ Commanditaire: Université Western Ontario	1 000,00 $
Médaille de bronze - Sciences de l'informatique - Sénior Commanditaire: Intel of Canada, Ltd.	300,00 $
Total	1 300,00 $