

ESPC 2014 - Windsor (Ontario)



Nicholas Paun

Chemlogic: A Logic Programming Computer Chemistry System

Défi: Innovation

Catégorie: Intermédiaire

Région: West Kootenay & Boundary

Ville: Slocan Park, BC

École: Mount Sentinel Secondary

Sommaire: Chemlogic is a logic program for balancing chemical equations and converting chemical formulas to and from chemical names, using a database of chemical element and polyatomic group information, a set of grammars, and a linear equation solver. Chemlogic can detect and provide guidance for resolving syntax and other errors and has a user-friendly Web interface.

Biographie

Nicholas Paun is a 16 year old high school student at Mount Sentinel Secondary, located in the Kootenay region of British Columbia. He is a computer programmer who enjoys automating interesting and repetitive tasks. Exploring geography is one of his main interests. Nicholas enjoys hiking in the beautiful mountains of the Kootenays, photography and travelling. In 2011, he presented at the Novell TTP Conference in Provo, Utah, where he won an award. He also developed and maintained his school's website and its Moodle system. Next on his agenda is a do-it-yourself facial recognition surveillance system. Nicholas currently has a 97% average. He plans to study Computer Science in university and work as a Computer Scientist.

Prix

Valeur

Prix d'excellence - Intermédiaire - Médaille de bronze Commanditaire: Société de gestion des déchets nucléaires	100,00 \$
Bourse d'études de Western University Médaille de bronze - Bourse d'admission de 1 000 \$ Commanditaire: Université Western	1 000,00 \$
Total	1 100,00 \$