GREEN, Mark.

Student designs programs for teachers

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A Belleville Collegiate Institute graduate, now studying at Queen's University, is spending the summer working on computer programs for faculty there.

Mark Green, who finished first academically among third-year engineering students at Queen's this past year, is one of 65 Queen's students who have received University Undergraduate Student Research Awards from the Natural Sciences and Engineering Research Council for summer projects.

Green's project is working on computer simulations to be used by civil engineering students next fall.

Green's summer work involves using computer models to do design work for buildings and bridges. He'll be involved with several projects over the summer but currently, "I'm working on a program to design some reinforced concrete beams," he said.

The program was originally developed by another student and Green added, "I'm extending the program, making it more adaptable."

Once his project is finished, it's expected to be used in teaching a third-year course on reinforced concrete.

Green, the son of Ron and Jean Green of Dufferin Avenue in Belleville (his father is head of the BCI math department) will also be completing other computer projects this summer at Queen's.

These will all involve developing computer programs to help in the design phase of new bridges and buildings. Using the programs, university students will be able to test different designs and learn how various factors interrelate with each other. For example, they will be able to enter a load value into the computer and then test the ability of different types and sizes of beams to support that load.

Green said he's thinking of taking a Master's degree in a "civil engineering related field", when he finishes his four-year program at Queen's.

Mark Green, a Belleville Collegiate Institute graduate, is shown at ease with the computer he's using this summer at Queen's University in Kingston. Green, who finished first academically among third-year engineering students there, is spending the summer working on computer programs which will be used by civil engineering faculty. He's one of 65 university students awarded a research award for summer computer projects.

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