

## Angela K Patterson

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### EDUCATION

Master of Science in Civil Engineering (Transportation) at Virginia Polytechnic Institute and State University (completed August 1998). Thesis compares Intelligent Cruise Control to conventional cruise control and manual driving.

Bachelor of Science (Hons.) First Class in Civil Engineering at Queen's University in Kingston, Ontario (completed May 1997). Fourth year thesis titled "Traffic Calming on Residential Streets" is a discussion and evaluation of a variety of automobile control devices such as signs and geometric features utilized through North America.

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### EXPERIENCE

Graduate research assistant at the Center for Transportation Research. Performing data analysis of the usage of Intelligent Cruise Control.

Research position with M. Van Aerde and Associates in Kingston, Ontario. The computer traffic simulation model INTEGRATION used extensively (May through July 1997).

INTEGRATION consultant to Goudappel Coffeng located in Deventer, Holland (three weeks May-June 1997).

Employed summer 1996 as an Assistant Planner by the West Carleton Airport Authority. Prepared an Airport Operations Manual for the Carp Airport.

Employed by the Regional Municipality of Ottawa-Carleton as an Engineering Assistant in the Transportation Department in the summer of 1995. Duties included assisting Development Officers in the review of site plans for commercial developments and residential subdivisions and the associated Traffic Impact Studies. Also prepared a Development Services Reference Manual for employee use.

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## HONORS

H.M. Edwards Memorial Award in Transportation Engineering (graduation award for proficiency in the field of Transportation Engineering, 1997)

Dean's Scholar (1994 - 1997)

Frank J. DeWitt Scholarship (selection based on academic performance and on a proposal addressing an innovative idea to enhance the quality of the undergraduate program in Civil Engineering - 1996)

Rattray Scholarship (academic scholarship 1996)

Canada Scholar (science and engineering)

Queen's University Honour Matriculation Scholarship

Recognized as an Ontario Scholar

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## PROFESSIONAL AFFILIATIONS

Professional Engineers Ontario - Engineer in Training

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