

# Renchen Sun

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Transport Canada, Surface and Marine Statistics Forecasts

Transport Canada

330 Sparks Street

Ottawa, ON

Canada, K1A 0N5

Re: Harnessing transportation data

Dear Recruiter for Transport Canada,

I am excited for the possibility of bringing my talents to Transport Canada in the position of Harnessing transport data as advertised on Jobmine of University of Waterloo. Transport Canada is responsible for transportation policies and programs. It promotes safe, secure, efficient and environmentally-responsible transportation, which I am interested in contributing. With excellent skills and solid experience in programming, GIS and DBMS, I am confident that I can make solid contributions to this organization.

During my study at University of Waterloo, I achieved 3.92 out of 4.00 GPA. On top of that, I am proficient in utilizing GIS applications (ArcMap, ArcCatalog) and GIS techniques (Data analysis & processing, Network Analysis, Spatial Analysis) with strong programming skills. I have nearly one year experience of using DBMS such as Oracle 11g and IBM DB2 for data management. One of the database projects I have made is the Geospatial database for features on the campus of University of Waterloo which I applied some techniques such as Oracle Spatial, data modelling, processing, refining and conversion techniques. In addition, I developed a Digital Camera Purchasing System by applying essential databases design techniques such as data modeling, ERD, and SQL. As for transportation analysis, I have experience in the analysis of the transportation system in Vancouver, which can support decision-making for travellers to travel around the city more efficiently. Even more, as a quick and passionate learner, I learned more computer science knowledge than other Geomatics students in the same time at University of Waterloo. I posted 10 projects on [Github](https://github.com). One of the projects I have done is the Game of Quadris, a C++ implementation of Tetris which employed object-oriented software engineering techniques and graphical interface. I found it interesting in combining computer science and geography information system together. With in-depth familiarity with DBMS & GIS techniques and a strong foundation of computer science and the ability to learn quickly, I am confident that I am one of the best candidates for this position in your team.

I would appreciate the opportunity to further discuss my future with Transport Canada. I am currently available from 1:00 - 3:00 pm on Monday, Wednesday, and Friday; 4:00 - 6:00 pm on Tuesday and Thursday. I have attached my resume detailing my outstanding academic and strong technical skills.

Thank you, your time and consideration is highly appreciated. I look forward to speaking with you about this exciting opportunity.

Kindest Regards,

Renchen Sun