

Renchen Sun

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Fisheries and Oceans Canada
13th Floor
200 Kent Street
Station 13E228
Ottawa Ontario K1A 0E6 Canada

Re: GIS Pilot Project

Dear Recruiter for Fisheries and Oceans Canada,

I am excited for the possibility of bringing my talents to Fisheries and Oceans Canada in the position of GIS Pilot Project as advertised on Jobmine of University of Waterloo. With my excellent skills and solid experience of geography information system and data management, 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 programming in C++ for software development, utilizing DBMS (Oracle 11g, IBM DB2) for data management and applying GIS applications (ArcMap, ArcCatalog, ArcScene, FME) and techniques (Spatial Analysis, Network Analysis, Data Analysis & Management) to solve complex problems. With strong programming skills in C++, I have posted 10 projects on [Github](https://github.com). One of the projects is the Game of Quadris, a C++ implementation of Tetris which employed object-oriented software engineering techniques and graphical interface. With familiarity of DBMS and ArcGIS, I designed a spatial database for features on the campus of University of Waterloo by employing Oracle Spatial, data modeling, data integration, and data conversion techniques. What is more, I have a solid understanding of database concepts. One of the databases I have developed is the Digital Camera Purchasing System which I applied databases design techniques such as data modeling, entity relationship diagram, and SQL. When it comes to decision-making tool, 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. With in-depth familiarity with GIS techniques and a strong foundation of computer science and ability to learn quickly, I am confident that I am one of the best candidates for this position in this organization.

I would appreciate the opportunity to further discuss my future with Fisheries and Oceans 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