

Renchen Sun

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96 Granby St
Toronto, Ontario M5B 1J1

Re: Software Engineering

Dear Recruiter for Quandl Inc,

I am excited for the possibility of bringing my talents to Quandl Corporation in the software engineering position as advertised on Jobmine of University of Waterloo. I am impressed by the efforts that Quandl makes to make data easy to find and easy to use. With my excellent C++ knowledge and outstanding academic background, 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 problem-solving and communicating skills to solve complex problems. With strong programming skills in C++, I have posted 10 projects on [Github](#). One of the projects is the Game of Quadris, a C++ implementation of Tetris which employed Object-oriented software engineering techniques and graphical interface. In addition, I am familiar with classical algorithms and passionate for data structures. What is more, I always program in Linux & Unix environment, thus, I have good understanding of Linux & Unix systems. Even more, I am an enthusiastic and quick-learner. In my spare time, I learned more computer science knowledge and took more computer science courses at University of Waterloo compared to other Geomatics students. In August 2013, I spent three weeks learning web design technologies, and then I developed my personal website. With excellent ability to learn new technologies quickly, proficiency in programming, and a strong foundation of computer science, 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 Quandl Corporation. I am currently available from Wednesday; Friday; Tuesday, 9am - 4pm; Thursday, 11am - 6pm. 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,

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JUNIOR PROGRAMMER

Composing extensive knowledge of C++ & DBMS with a strong foundation of computer science

SUMMARY

- Excellent academic performance with 3.92/4.00 GPA
- Strong programming skills in C, C++ with ten projects on [Github](#)
- Familiarity with Linux/Unix platform
- Experience in object oriented software development
- In-depth knowledge of Database Management System (Oracle 11g, IBM DB2)
- Sound understanding of data structures, algorithm
- Exposure to Java, Bash
- Proven quick and passionate learner, eager to face challenges and improve skills

EDUCATION

University of Waterloo

Candidate for Bachelor of Geomatics with Computer Science Minor ---- 2012- 2014 (Expected)

Grade: 3.92 out of 4.00 GPA

- Dean's Honor List (Received on May 2013)

China University of Geosciences (WUHAN)

Candidate for Bachelor of Computer Science ---- 2010 - 2014 (Expected)

- National Scholarship (Top 1%) (Received on December 2011)

PROJECTS

The Game of Quadris - C++ video game

- 3000 lines of code
- Developed under Linux platform using X windows
- Five design patterns applied (Observer, Singleton, Decorator, Factory, Template)
- UML, Use Case Diagram, Data Flow Diagram used for modelling system

Digital Camera Purchasing System - Database

- Analyze and develop the DB system form stretch
- Model entity relationships using Enhanced ERD and Oracle Data Modeler
- Use SQL for querying information using Oracle SQL Developer

WORK EXPERIENCE

Data structure Teaching Assistant, China University of Geosciences

June 2012 – July 2012 (2 months) | Wuhan, Hubei, China

- Assist Professor on marking students' assignments, final projects
- Aided students in understanding various data structures and algorithms