

Renchen Sun

#3004 J.R Finn, 290 Westmount Road North Waterloo, ON N2L 3G3

Cell Phone: 519 - 591 - 9660

Email: r26sun@uwaterloo.ca Website: csclub.uwaterloo.ca/~r26sun LinkedIn: <http://www.linkedin.com/in/renchensun>

Applied Systems Canada Inc.
201 Watline Ave.
Mississauga, ON L4Z 1P3

Re: Associate Developer

Dear Recruiter for Applied System Corporation,

I am excited for the possibility of bringing my talents to Applied System Corporation in the position of Associate Developer as advertised on Indeed.com. With my excellent C++, DBMS knowledge, intermediate Java programming skills 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. What is more, I have nearly one year experience of using DBMS such as Oracle 11g and IBM DB2. 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. 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 Applied System Corporation. I am expected to graduate on April 2014. 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

Renchen Sun

#3004 J.R Finn, 290 Westmount Road North Waterloo, ON N2L 3G3

Cell Phone: 519 - 591 - 9660

Email: r26sun@uwaterloo.ca Website: csclub.uwaterloo.ca/~r26sun LinkedIn: <http://www.linkedin.com/in/renchensun>

JUNIOR PROGRAMMER

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

Summary

Junior self-motivated student with excellent academic records (3.92/4.00 GPA), relevant 2 years programming experience in C, C++ with 10 projects on [Github](#), and 1 year experience in Database Management System.

Area of expertise:

- Software development: C++, C, Java, Bash, OOP, SDLC, UML
- Web design: HTML, CSS, Javascript, PHP
- Database design: SQL, ERD, Oracle 11g, Oracle Data Modeler, IBM DB2
- Operating system: Unix, Linux, Windows

Qualification

- Strong programming skills in C, C++, and OOP
- In-depth knowledge of Database Management System
- Intermediate program testing knowledge
- Intermediate web design skills in HTML, CSS, Javascript, and PHP
- Intermediate knowledge of data structures, algorithm
- Proven quick and passionate learner, eager to face challenges and improve skills
- Excellent verbal and written communication skills
- Highly reliable self-motivated starter, can be counted on to complete assignments

Education

University of Waterloo

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

Grade: 3.92 out of 4.00 GPA

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

China University of Geosciences (WUHAN)

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

Honor: National Scholarship (Top 1%) (Received on December 2011)

Project

The Game of Quadris - C++ video game

A C++ solution of a video game in Linux/Unix platform with graphical windows. Analyze software specifications. Apply Object-oriented software engineering techniques. Identify classes and relationships among classes. Draw UML diagram to model designs. Code, Debug, test and optimize the program.

Applied Techniques:

- Observer Pattern, Singleton Pattern, Decorator Pattern, UML, Software testing, Xwindow

Digital Camera Purchasing System - Database

Model each entity with attributes and relationships between each other. Use Oracle 11g for database construction. Insert data and query information by employing SQL.

Applied Techniques:

- > Oracle Data Modeler, Oracle SQL developer, SQL, EERD

Personal Website - Web design

Link: csclub.uwaterloo.ca/~r26sun

Applied Techniques:

- > HTML, CSS, JavaScript, PHP

Family Tree Tracker - Data structure & Algorithm

A C++ program which tracks family members by employing N-nary tree data structure.

Applied Techniques:

- > N-nary tree data structure, recursion algorithm

Auto-testing Shell Script - Shell

Developed a shell script which is useful for auto-testing of programs.

Applied Techniques:

- > Shell Programming

Experience

Fall 2013 Environment Ambassador, University of Waterloo

September 2013 - Present | Waterloo, Ontario

- Responsible for introducing Geomatics to those students who are interested in applying
- Responsible for guiding and assisting students in terms of their future major selection
- Responsible for taking visitors for building tour in University of Waterloo

Human Computer Interaction (HCI) of whole-body computer interface

August 2013 | University of Waterloo

- Cooperatively finished all tasks of body movements to interact with computer
- Completely reported all issues during the research including positiveness and negativeness

Data structure Teaching Assistant, China University of Geosciences

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

- Successfully helped many students debug their program and figure out potential bugs in their programs
- Comprehensively explained linked list, graph theories, trees, sorting algorithms for many students

Director of Publicity Department of Faculty of Computer Science, China University of Geosciences

August 2011 - June 2012 (11 months) | Wuhan, Hubei, China

- Events organizer in our faculty
- Poster maker, responsible for promoting events such as Web Design Contest, Flash Contest, ACM contest, etc.