

# Wang Danliang

3A Computer Science | University of Waterloo ID# 20642580

Phone 780-863-6788  
Email d267wang@uwaterloo.ca  
danliang.tk

## SUMMARY OF QUALIFICATIONS

- Excellent skill of C/C++/Bash/MATLAB through rigorous training from university coursework
- Knowledge of Java/Python developed through self-study on Coursera
- Knowledge of HTML/CSS/JavaScript developed through creating my personal webpage
- Proficiency in Microsoft Office Word, Excel, PowerPoint, Outlook
- Enthusiasm for solving difficult problems

## Personal Project

**Moving Balls**, Dec, 2015 – Mar, 2016

- Utilized Visual Studio to develop a Moving Ball game in C and gained software development experience
- Developed modules using dynamic memory allocation
- Used external C library for interface design

## WORK EXPERIENCE

**Engineering Coop Student**, City of Edmonton, Edmonton, AB, May, 2014 – Dec, 2014

- Developed database for 2015 City of Edmonton Neighborhood Drainage Renewal Program with Excel and increased the efficiency by 50%
- Designed for open channel, tunnel ventilation and open cuts with MicroStation
- Conducted site visits and praised by crew for working hard

**Tutor**, University of Alberta Student's Union, Edmonton, AB, Sep, 2013 – Apr, 2015

- Tutored engineering and science courses and significantly improved students' grades
- Developed strong communication skills through answering students' various questions
- Managed time efficiently and did well in my own coursework

## EDUCATION

**Candidate for Bachelor of Computer Science**, Honours, Business Option,  
University of Waterloo, Waterloo, Ontario, 2015/09 - present

### Relevant Assignments or Projects:

*Criss-cross Puzzle Solver*, Design Functional Programs, Nov, 2015 – Dec, 2015

- Adopted efficient algorithms and achieved high time efficiency
- Wrote many helper functions in Racket and gained good understanding of lambda functions
- Debugged carefully and the program achieved high robustness

### Relevant Courses:

- Object-Oriented Software Development
- Elementary Algorithm Design and Data Abstraction
- Mathematics of Finance
- Investments

**Awards:** Talisman Engineering Undergraduate Scholarship, University of Alberta, Edmonton, AB, 2013

### Other Degrees/Diplomas/Certificates/Training

- Candidate for Bachelor of Mining Engineering (Quitted), Coop  
University of Alberta, Edmonton, Alberta, Sep, 2012 – Apr, 2015