Jiawei(Peter) Cai

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2A Computer Science - Student: 20552816

Summary of Qualification

- Proficient in Java, C, C++, Scheme
- Solid fundamental knowledge in SQL, HTML, CSS, Javascript and Android App development
- Experienced with interactive development environment such as Eclipse, Android Studio, Code Blocks, Dr.Racket
- Strong academic performance with GPA 3.8/4.0
- Excellent leadership gained as the founder of the high school Rubik's Club
- Hardworking and able to be quickly adapted to new concepts
- Highly motivated individual and worked effectively and accurately under pressure

Relevant Projects

Patrol Robot   *Sept. 2013–Dec. 2013*
- Built and programmed Artificial Intelligence robots using the Lego Mindstorm NXT kit
- Analyzed the necessary reactiosn the Patrol Robot needs to take under different conditions
- Adjust the barrier detection function to improve its mobility

Java 2D Game   *Dec. 2014*
- Implemented the basic functionality and graphic effect of the mobile app Flappy Bird by Java(JFrame)
- Familiar with the general GUI design in Java
- Understood and able to make simple animation

Japanese Mahjong Score Calculator   *April. 2015–present*
- Developed an android app to calculate, record the scores of four players and determine the winner
- Developed cooperation skills through idea sharing, progress updating and conflict resolving with co-workers
- Familiar with the android building process

Volunteer Experiences

Terry Fox Run   *Sept. 2012–Sept. 2013*
- Helped organize the local campaign to honor Terry Fox
- Collaborated with team to coordinate the campaign

Multicultural Association of Fredericton   *Feb. 2013–Oct. 2013*
28 Rue Saunders Street, Fredericton, NB
- Helped new immigrants improve English in terms of speaking and listening
- Evaluated and reported their progress to MCAF
- Developed communication skills through tutoring people from various of countries

Education

University of Waterloo
Candidate for Bachelor of Computer Science   *Sept. 2014–present*

Awards

Euclid Math Competition-Top 1%
Placed 100th among over 13000 contestants   *University of Waterloo, April. 2014*

Hypatia Math Competition-Top 1%
Placed 20th among over 15000 contestants   *University of Waterloo, Feb. 2013*

Avogadro Exam-Top 5%   *University of Waterloo, May. 2013*