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118 Kirk Dr.

Shaw Xiao Tan

Websites
shawtan.me
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SKILLS SUMMARY

- ▶ Proficient at Java, JavaScript, CSS and HTML.
- ▶ Familiar with ActionScript, Visual Basic, VBA, Processing, Scheme, and LaTeX.
- ▶ Experience developing projects using Visual Studio, Eclipse, and GitHub.
- ▶ Has three years experience independently developing multiple projects.
- ▶ Responsible, hardworking and organized.
- ▶ Motivated and able to learn new skills quickly.
- ▶ 4.0 GPA, strong in math and computer science.

EXPERIENCE

Programming Projects

- Super Sudoku 2015
- ▶ Built a HTML5 app that displays sudoku-like puzzles for the user to solve.
 - ▶ Implemented algorithms in Javascript to generate valid puzzles of suitable difficulty.
- Billards 2013
- ▶ Developed a Java application simulating the game of eight-ball pool.
 - ▶ Created a physics engine to detect collisions and generate realistic bouncing between billiards balls.
- Tetris 2011
- ▶ Developed Microsoft Excel and Visual Basic ports of a multiplayer Tetris game.
 - ▶ Devised a game implementation that was scalable for multiple players.

Leadership Positions

- Team Captain of *Ultimate Frisbee Team* 2014
- ▶ Scheduled team practices and prepared and led drills and plays to form a cohesive and skilled team.
- Co-Executive of *Tigerhill Orphanage Club* 2010
- ▶ Planned fundraising events and organized groups for visiting trips to Tigerhill Orphanage.
- Camp Counsellor at *Summer Day Camp* 2009
- ▶ Designed and supervised a physical activity curriculum for children.

Communication Skills

- Academic Tutor at *Thornhill Secondary School* 2012-2014
- ▶ Tutored high school students in Computer Science, Mathematics and Physics.
 - ▶ Adapted technical information into understandable terminology to fit the students' learning style.

EXTRACURRICULARS

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|-------------------------------|------|--------------------------------------|------|
| Ultimate Frisbee Team Captain | 2014 | Parkour Club Member | 2014 |
| Badminton Team Member | 2013 | Eye of the Tiger Newspaper Editor | 2014 |
| Girls Volleyball Team Member | 2012 | Empowered Student Partnership Member | 2013 |

AWARDS

- | | |
|---|------|
| Nortel Institute Scholarship, awarded to an outstanding student entering first-year | 2014 |
| University of Waterloo President's Scholarship of Distinction | 2014 |
| Canadian Computing Competition Certificate of Distinction | 2014 |

EDUCATION

- University of Waterloo** 2014 - 2019 (expected)
- Candidate for Bachelor of Computer Science, Computer Science**
- Related Coursework:* Designing Functional Programs, Algebra, Calculus I, Calculus II, Interpersonal Communications