

(647) 296 9383  
shaw.tan@uwaterloo.ca  
118 Kirk Dr.

# Shaw Xiao Tan

shawtan.me  
github.com/tanx8  
ID #: 20566185

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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.

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## 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.
- Personal website 2014
- ▶ Used HTML, JavaScript and CSS to create a website to showcase my projects.
  - ▶ Utilized jQuery and Masonry to create an interactive experience.
- Billards 2013
- ▶ Constructed a Java application to simulate 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 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.

### 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.

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## 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 |

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## AWARDS

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| 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 |

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## 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