## Contact me

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118 Kirk Dr.

# Shaw Xiao Tan

## Websites

shawtan.me
github.com/tanx8

## SKIILS 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.
- Strong in math and computer science (4.0 GPA).

## 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

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

## 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