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Shaw Xiao Tan

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SKILLS SUMMARY

- ▶ Experienced with Java, JavaScript and SQL.
- ▶ Familiar with Ruby on Rails, C, ActionScript, Visual Basic, VBA, Processing, Scheme, CSS and HTML.
- ▶ Experience developing projects using git, Eclipse, Visual Studio, and RubyMine.
- ▶ Has four 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.

EMPLOYMENT HISTORY

Audatex Canada

- Software Engineering Intern 2015
- ▶ Optimized queries to access and analyze data in databases using PL/SQL.
 - ▶ Implemented multiple features and long-standing bug fixes on MVC Ruby on Rails applications.
 - ▶ Automated the system hardware and settings configuration process to improve the quality and speed of responses to customer service requests.

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 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 and Communication Skills

- Co-Executive of *Tigerhill Orphanage Club* 2010
- ▶ Planned fundraising events and organized groups for visiting trips to Tigerhill Orphanage.
- 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 |

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 | |