

# Fengyang Wang

2A Honours Mathematics at University of Waterloo  
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## SUMMARY OF QUALIFICATIONS

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- Frontend (HTML, JS, CSS) and backend (Node.js, SQL) web developer
- Open-source contributor skilled in Python, C, and C++
- Strong teamwork skills and experienced version control user (Git and Mercurial)
- Algorithm and data structure knowledge; high school Olympiad participant
- Communication skills developed through 2+ years as a mathematics instructor

## EDUCATION & DISTINCTIONS

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Candidate for Bachelor of Mathematics, University of Waterloo	2015–present
Term Dean's Honours List (with 96.6% average)	2015
R��n�� Descartes National Scholarship (\$25000 value), awarded by University of Waterloo	2015
Qualified twice for Canadian Mathematical Olympiad	2014, 2015
Silver Medal, Canadian Computing Olympiad	2014

## EXPERIENCE

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Hack the North (Organizing Team) <b>Programming Challenge Architect</b>	2015
<ul style="list-style-type: none"><li>• Co-developed two security-related challenges using Node.js and C</li><li>• Collaborated with a team of four, using Git</li><li>• Attracted over 50 participants</li></ul>	
Grand River Chinese School <b>Math Teacher</b>	2012–present
<ul style="list-style-type: none"><li>• Designed and taught a mathematics curriculum for advanced-level students</li><li>• Gradually increased class size from 9 to 21</li></ul>	
High School Computer Science Club <b>Student Leader</b>	2014–2015
<ul style="list-style-type: none"><li>• Taught Mercurial to high school students</li><li>• Delivered lessons on data structures and algorithms, such as Bellman-Ford</li><li>• Created contest problem solutions in JavaScript, Python, and C++</li></ul>	

## SELECTED PROJECTS

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Currencies.jl	2015
<ul style="list-style-type: none"><li>• Designed a currency format and computation library with tests and documentation</li><li>• Successfully petitioned for inclusion in METADATA.jl, the official Julia language package repository</li></ul>	
Findr	2015
<ul style="list-style-type: none"><li>• Created the React frontend for an event finder web app</li><li>• Co-designed the Node.js backend with a PostgreSQL database and a REST-ful API</li></ul>	
Territory	2015
<ul style="list-style-type: none"><li>• Modernized an unmaintained open-source Python strategy game</li><li>• Refactored code and added features without net increase in lines of code</li></ul>	