

# David Choi

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## 2B Honours Computer Science Co-op

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### Skills

#### Summary

- Exceptional experience with algorithms, data structures, problem solving, and theoretical computer science developed through programming contests and study
  - Strong understanding of practical computer programming
  - Demonstrated ability to work in teams and excellent communication skills
  - Knowledge of and exceptional achievement in a wide range of activities
  - Effective and self-motivated worker
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### Education

#### University of Waterloo

Waterloo, ON

Candidate for Bachelor of Mathematics, Honours Computer Science 2012 – Present

- Academic Average: **98%** (99% Faculty Average)
- University of Waterloo Faculty of Mathematics Entrance Scholarship 2012
- University of Waterloo President's Scholarship of Distinction 2012
- Dogwood Authority Scholarship 2012 (for Computer Science)
- Graduation Programs Examinations Scholarship 2012
- Term Dean's Honours List 3 Consecutive Terms
- 2<sup>nd</sup> Place in Over 9000 Math Contest 2013

#### St. George's Senior School

Vancouver, BC

British Columbia Dogwood Diploma

June 2012

- Educational Excellence Medal (Top 10 Academically in Grade) in Grade 10-12
  - First in Class, Grade 12
  - Annual Art History, Computer Science, Calculus, and History Awards
  - Wheatley Mathematics Award 2012
  - Top Fifty in Canada in the Canadian Open Mathematics Challenge 2011
  - First Place in British Columbia in the Michael Smith Science Competition 2010
  - Science Foundation Scholarship 2010
  - Bronze Medal in the National French Competition 2009, 2010, 2011
  - Perfect Score on Twelve Advanced Placement Exams
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### Computer

#### Programming

- **First Place in Canada** in the Canadian Computing Competition (CCC) Senior Division 2012
  - Top 10 in the Waterloo ACM Contest 2013
  - Silver Medal in Canada in the Final Stage of the CCC 2011, 2012
  - First Place in Western Canada in the CCC Senior Division 2011, 2012
  - Founder of a Computer Programming Club in High School
  - Fluent with: Java, C++, C, PHP, Python, Scheme, HTML, Linux, Git, NoSQL, MySQL
  - Working Knowledge: Visual Basic, CSS, Ruby, GIMP, and JavaScript
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## Experience

### Software Developer Intern

Vancouver, BC

Indochino Apparel Inc

April 2013 – August 2013

- Evaluation: **Outstanding**
- Designed and developed customer feedback systems used by thousands with a small team, and manufacturing quality improvement projects by collaborating with several production centres
- Performed a significant framework upgrade and championed several code efficiency and design improvements to improve scalability, data consistency, and object oriented design
- Upgraded the company website used by hundreds of thousands of people with several new features
- Worked with PHP, Python, NoSQL, HTML, CSS, Javascript, Ruby, and Git

### Chief of Information Technology

Vancouver, BC

Vancouver Model United Nations (VMUN)

June 2011 – February 2012

- Designed, updated, and managed the VMUN website, emails, and server using PHP, HTML, CSS, and MySQL
- Developed the staff application and delegate registration systems
- Organized and ran a successful political simulation conference for over 700 delegates, with a small team

### Teaching Assistant

Waterloo, ON

University of Waterloo

Fall 2013, Winter 2014

- Marked weekly assignments for MATH 147 (Advanced Calculus I) using a strong understanding of mathematical proofs from advanced courses
- Communicated advanced concepts with students through tutoring MATH 136 (Linear Algebra I for Honours Mathematicians)

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## Additional Activities and Skills

**Professional Website** – davidhchoi.net

**Trivia (Quiz Bowl)** - Vice-President and Treasurer of Quiz Bowl 2013-2014

**Clubs at Waterloo** - Member of Go, UWUNA, WatSFIC, and Waterloo Math Contest Clubs 2012-2014

**Piano** - Associate of the Royal Conservatory (ARCT) Performer Certification

**French** - DELF B2 Level French Certification (Advanced Middle by ACTFL)

**Volunteering** - 4th Year Public Service Pin (Greater than 200 Hours of Public Service), Service Trip to Orphanage in Guatemala 2011

**First Aid** - CPR and First Aid Level A Certification

**Trivia (School Reach)** - First Place Team in BC in 2011, National Team in 2011

**Model United Nations** - Director of DISEC and Chief of Technology in Vancouver Model United Nations 2012

**Other Clubs** - President of Go and Gaming Clubs 2011-2012, Founder of Programming Club 2009-2012

**Shad Valley Waterloo 2011** (Highschool Enrichment Program)