

# Curriculum Vitæ

## Charles Wang

### Personal Information

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- Email: charles.m.wang@gberkeley.edu
- Citizenship: United States
- My Website (foxflo.github.io)
- My Github (github.com/foxflo)

### Education

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- **U.C. Berkeley** (2017-present)
  - **PhD** in Math
- **Georgia Institute of Technology** (2012-2017), GPA: 3.978
  - **B.S.** in Math
  - **B.S.** in Computer Science (Threads: Theory and Intelligence)
  - **B.S.** in Chemistry
- **Budapest Semesters in Mathematics** (2016)

### Publications

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1. Charles Wang and Josephine Yu; *Toric  $h$ -vectors and Chow-Betti numbers of Dual Hypersimplices*; (preprint)
2. Fatemeh Mohammadi, Caroline Uhler, Charles Wang, and Josephine Yu; *Generalized Permutohedra from Probabilistic Graphical Models*; (preprint)

### Awards and Honors

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| • ACBL Collegiate Bridge Bowl Champion (2017)        | • William M. Spicer Outstanding Senior Award in Chemistry (2014) |
| • Love Family Foundation Scholarship (2017)          | • Hypercube Scholar (2014)                                       |
| • Robert A. Pierotti Memorial Scholarship (2017)     | • Scored <b>28</b> (top 500) on Putnam exam (2014)               |
| • President's Undergraduate Research Award (2016)    | • National Merit Scholarship (2012-2017)                         |
| • Undergraduate Award in Analytical Chemistry (2015) | • Zell Miller Scholarship (2012-2017)                            |
| • William M. Spicer Scholarship in Chemistry (2015)  | • Siemens Award for A.P. (2012)                                  |

## Teaching

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- **GSI** for MATH 10A (Methods of Mathematics: Calculus, Statistics, and Combinatorics), Fall 2017
- **TA** for Georgia Tech REU, Summer 2017
- **Grader** for MATH 4150 (Introduction to Number Theory), Spring 2017
- **Grader** for MATH 2802 (Applications of Linear Algebra), Spring 2017
- **Grader** for MATH 4580 (Linear Programming), Spring 2017
- **Grader** for MATH 4107 (Abstract Algebra I), Fall 2016
- **Grader** for MATH 3406 (A Second Course in Linear Algebra), Fall 2016

## Skills

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| • Python/Sage | • Polymake    |
| • Perl        | • Mathematica |
| • C           | • Macaulay 2  |
| • Java        | • gfan        |

## Volunteering

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- **Event Supervisor** for *Ecology* at GT Science Olympiad (2017)
- **Event Supervisor** for *Wright Stuff* at GT Science Olympiad (2015)

## Conferences and Workshops Attended

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- SIAM AG (July 31 - Aug. 4, 2017)
- Joint Meetings in Mathematics (Jan. 4-7, 2017)
- Triangle Lectures in Combinatorics (Nov. 19, 2016)
- Topological Approaches to Algebra and Arithmetic Geometry (Sept. 2-4, 2016)
- Summer Workshop in Algebraic Geometry (Aug. 26-29, 2016)
- Summer School in Real Algebraic Geometry and Optimization (July 11-15, 2016)
- Summer School in Algebra, Statistics, and Combinatorics (June 27 - July 2, 2016)
- Summer School in Economics and Tropical Geometry (May 9-13, 2016)