

# Curriculum Vitæ

## Charles Wang

### Personal Information

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- Address: 1959 Fields Pond Drive  
Marietta, GA, 30068
- Email: charles.wang@gatech.edu
- Date of Birth: 19 Oct. 1993
- Citizenship: United States
- My Website (foxflo.github.io)
- My Github (github.com/foxflo)

### Education

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- **Georgia Institute of Technology**, Atlanta, Georgia  
Expected graduation: May 2017  
Overall GPA: 3.97
  - **B.S.** Math
  - **B.S.** Computer Science: Theory and Intelligence
  - **B.S.** Chemistry
- **Budapest Semesters in Mathematics**, Budapest, Hungary  
Spring 2016

### Publications

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

### Awards and Honors

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#### Math

- President's Undergraduate Research Award (2016)
- Scored **28** (top 500) on Putnam exam (2014)
- Scored **10** on Putnam exam (2013,2015)

#### Misc.

- Robert A. Pierotti Memorial Scholarship (2017)
- National Merit Scholarship (2012-present)
- Zell Miller Scholarship (2012-present)
- Siemens Award for A.P. (2012)

#### Chemistry

- Undergraduate Award in Analytical Chemistry (2015)
- William M. Spicer Scholarship in Chemistry (2015)
- William M. Spicer Outstanding Senior Award in Chemistry (2014)
- Hypercube Scholar (2014)

## Conferences and Workshops Attended

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- 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)

## Teaching

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- **Grader** for MATH 4107 (Abstract Algebra I), Fall 2016
- **Grader** for MATH 3406 (A Second Course in Linear Algebra), Fall 2016
- **Grader** for MATH 2802 (Applications of Linear Algebra), Spring 2017
- **Grader** for MATH 4150 (Introduction to Number Theory), Spring 2017
- **Grader** for MATH 4580 (Linear Programming), Spring 2017

## Skills

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### Programming Languages

- Python/Sage
- C
- Java

### Software

- Polymake
- Mathematica
- Macaulay 2
- gfan

## Volunteering

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